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U. S. Department of Agriculture

THE EIKENBERRY BROTHERS CO.

We Specialize in Field Seed



Hamilton, Ohio

1932

Vegetable Seed Trials

JUN 14 1932

BEANS

DWARF OR BUSH

CULTURE—After danger of frost is past, sow three inches apart in drills 2 to 3 feet apart and cover to depth of 2 inches. May also be planted 2 or 3 beans in hills 8 or 9 inches apart. Plant every two weeks for a succession.

One pound to 200 feet drill; 1½ bushel to the acre.

Spray with arsenate of lead, 2 lbs. to 50 gallons water, for insects, with Bordeaux Mixture or Pyrox for blight. For Mexican Bean Beetle use Acme Bean Beetle Dust.

Prices on Beans are net at Store. Half pounds, postpaid; larger quantities by mail add 5c per lb., to prices quoted.

GREEN PODDED VARIETIES

BOUNTIFUL—New stringless, and prolific yielder, an Improved Long Yellow Six Weeks. Pods large, solid and meaty; beans yellow and kidney shaped. Equally desirable for early spring or late fall planting. A new offering of decided merit in either home or market garden. ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35; 15 lbs., \$3.75.

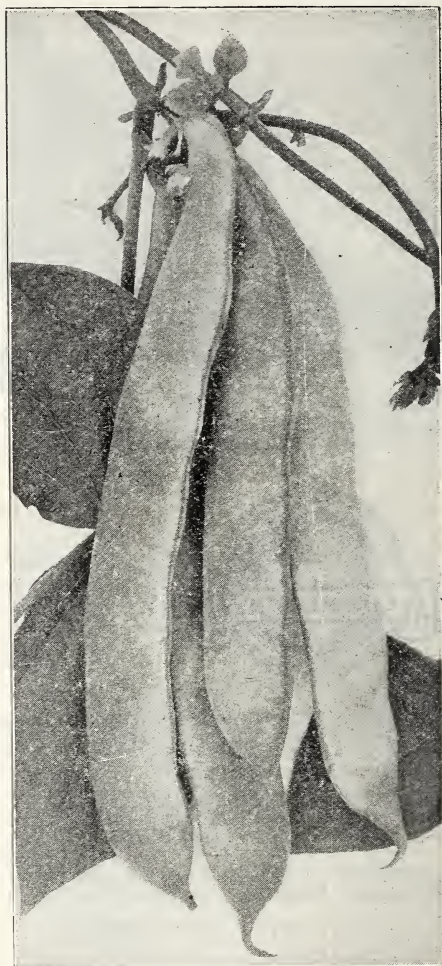
GIANT STRINGLESS GREEN POD—Pods round, similar to Burpee's Stringless, but straight and slightly longer. Handsome and highly productive. Seed long and yellow color. Vines vigorous, of spreading habit and 13 to 15 inches high. ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.30; 15 lbs., \$3.60.

EARLY IMPROVED ROUND POD RED VALENTINE—The finest early snap-short bean; unsurpassed for productiveness and quality. Pods medium length, curved, cylindrical; tender, fleshy, brittle. Our strain of this reliable and popular bean is not excelled by any other in cultivation. ½ lb., 20c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.15; 15 lbs., \$3.25.

FULL MEASURE—A prolific and popular variety for both Market and Home garden. Pods straight, fleshy, round, 6 to 7 inches long and stringless except when quite old. Plant vigorous and compact. ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35; 15 lbs., \$3.75.

DWARF HORTICULTURAL—A popular variety especially fine for use as green shelled beans. Beans, large, meaty, easily shelled and often preferred to Lima Beans. ½ lb., 20c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.15; 15 lbs., \$3.25.

TENNESSEE GREEN POD—Very popular in parts of Kentucky and Tennessee. Vines are large, hardy and prolific bearers of long, flat pods of irregular shape. ½ lb., 20c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.15; 15 lbs., \$3.25.



GOLDEN WAX



BEANS, STRINGLESS GREEN POD

INOCULATE BEAN SEED
with
NODOGEN CULTURE
Garden Size 25c

WAX PODDED VARIETIES

IMPROVED RUST-PROOF GOLDEN WAX—A decided improvement on the old Standard Golden Wax, this new strain being free from spot or rust, which is the great defect in the original sort. A superior, vigorous wax bean with cylindrical pods borne in great profusion. ½ lb., 20c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.15; 15 lbs., \$3.25.

PENCIL POD WAX—A handsome medium early Black Wax Bean. Pods long, five to six inches, straight and round. ½ lb., 20c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.15; 15 lbs., \$3.25.

WARDWELL'S KIDNEY WAX—Hardy and almost free from rust or disease of any kind. Pods waxy, yellow, and very brittle. Seeds kidney shaped, nearly white blotched with reddish purple. A winner. Try it. ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35; 15 lbs., \$4.25.

CURRIE'S RUST-PROOF WAX—A prolific early variety remarkably free from rust. Pods straight, large, golden yellow, crisp and stringless. Superior in flavor and quality. ½ lb., 20c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.15; 15 lbs., \$3.25.

DAVIS KIDNEY WAX—A strong grower, holding its long, straight pods clear of the ground. Prolific bearer of clear, waxy, white pods; plump and rust-proof. Seeds pure white. Excellent for snap-short or for shell beans. ½ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35; 15 lbs., \$3.75.

STRINGLESS GREEN POD (BURPEE'S)—Pods 4½ to 5½ inches long, cylindrical, slightly curved, fleshy, crisp and of fine, tender flavor. Cannot be too highly recommended for private or market garden. ½ lb., 20c; lb., 30c; 2 lbs., 65c; 5 lbs., \$1.35; 15 lbs., \$3.75.

COLLECTIONS OF BUSH BEANS—These collections are made up of the following three varieties: Burpee's Stringless Green Pod, Full Measure, and Rust-Proof Golden Wax. ½ lb. each, postpaid 50c, value 60c. 1 lb. each, 85c, value \$1.00.

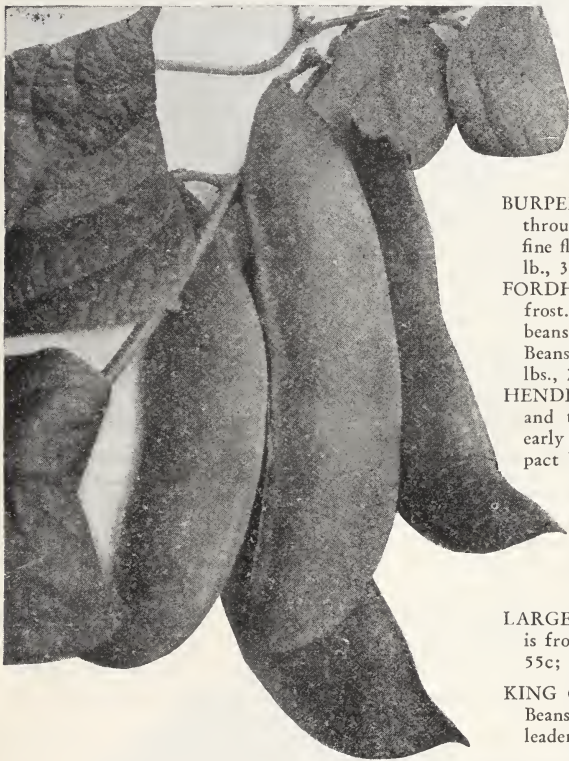
POLE BEANS

Plant after danger of cold weather is past, in rows four feet apart and cover to depth of one inch. Hills should be about three feet apart in rows running north and south. Lean poles to north at angle of at least twenty-five degrees. In this manner beans bear earlier and pods are straighter and more easily gathered. Plant five or six beans to hill; later thin to four plants. If to be planted in corn wait until after second cultivation.

IMPROVED KENTUCKY WONDER—One of the best, earliest and most productive Pole or Corn Field Beans in cultivation. Vine is a vigorous grower, and pods hang in clusters. Pods are irregular shape, long, fleshy and tender; seeds long, oval and brown. A standard. $\frac{1}{2}$ lb., 20c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.15; 15 lbs., \$3.25.

WHITE KENTUCKY WONDER— $\frac{1}{2}$ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.60; 15 lbs., \$3.50.

RED SPECKLED CUT SHORT OR CORN HILL—Pods straight, flat and resemble bush Valentine. Beans small, round, greyish white, varying blotches of brownish purple. Fine for use as shelled beans. $\frac{1}{2}$ lb., 20c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.15; 15 lbs., \$3.25.



MISSOURI WONDER—(Noxall) Highly productive, long bearing late variety. Pods curved, flat, 5 inches long, medium green in color. $\frac{1}{2}$ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35; 15 lbs., \$3.75.

LAZY WIFE—A white-seeded Pole Bean, which has become quite popular. Pods very broad, thick, fleshy and 4 to 6 inches long; stringless and of a fine buttery flavor. Excellent climbers, surpassing all other varieties in way vine clings to pole. Valuable for shell beans. $\frac{1}{2}$ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.35; 15 lbs., \$3.75.

GOLDEN CARMINE—An early Wax Pod Pole Bean of robust growth and superior quality. Bears continuously until frost. Pods are large, stringless and tender, of a bright yellow when young, becoming mottled with a bright carmine as they approach full size. $\frac{1}{2}$ lb., 20c; lb., 35c; 2 lbs., 65c; 5 lbs., \$1.15; 15 lbs., \$3.75.

BUSH LIMA BEANS

Fully equal in quality to Pole Lima Beans and earlier to mature, with the advantage that they are more easily gathered. Bush Lima Beans should not be planted until ground is dry and warm. Use light, rich soil, plant and cultivate much the same as other varieties Dwarf Beans.

One pound of Burpee's or Fordhook Bush Lima to 100 feet drill, of Henderson's to 150 feet drill.

BURPEE'S IMPROVED BUSH LIMA—Productive and reliable, bearing throughout the season. Beans are of large White Lima type and of equally fine flavor. Pods broad and flat, containing 3 or 4 large beans. $\frac{1}{2}$ lb., 20c; lb., 35c; 2 lbs., 55c; 5 lbs., \$1.40; 15 lbs., \$4.00.

FORDHOOK BUSH LIMA—Matures early and continues bearing until frost. The pods are 4 to 5 inches long and contain 4 or 5 large, chunky beans, meaty and fine flavored. The only stiffly erect bush form of Lima Beans and cannot be too highly recommended. $\frac{1}{2}$ lb., 20c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.75; 15 lbs., \$4.85.

HENDERSON'S DWARF LIMA—This is the best of the smaller varieties and the most delicious Bush Lima in cultivation. Comes into bearing early and bears continuously until frost. Grows about 18 inches in compact bush form. $\frac{1}{2}$ lb., 20c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.15; 15 lbs., \$2.25.

POLE LIMA BEANS

CULTURE—Same as for other Pole Beans except they should be planted two weeks later. Amount of seed required varies with size of beans. *Larger sorts require about one pound to 50 hills.*

LARGE WHITE LIMA—The old standard, highly prized variety. Our seed is from a strain producing extra large beans. $\frac{1}{2}$ lb., 20c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.15; 15 lbs., \$3.25.

KING OF THE GARDEN LIMA—The finest strain of the larger Lima Beans, producing largest beans from the most prolific pods. Main crop leader. $\frac{1}{2}$ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.35; 15 lbs., \$3.75.

FIELD BEANS

Grown for seed, selected and prepared with care, our Seed Field Beans are pure and unmixed with other varieties. 30 POUNDS NAVIES per acre in rows $2\frac{1}{2}$ feet apart. Other varieties about double this amount.

NAVY—Dwarf White Pea Bean, nearly round and pure white. Our stock selected quality of prolific strain. Lb., 20c; 2 lbs., 30c; 5 lbs., 65c; 15 lbs., \$1.50. Ask for prices on larger quantities.

LARGE WHITE MARROW—Seeds about double size of Navy, of same shape and color. Large, slender vines with small leaves. Lb., 25c; 2 lbs., 40c; 5 lbs., 95c; 15 lbs., \$2.60. Ask for prices on larger quantities.

WHITE KIDNEY—Large, white, kidney-shaped bean of excellent quality usually grown as a field bean. Stalk of strong bush habit. Lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 15 lbs., \$2.50. Ask for prices on larger quantities.

RED KIDNEY—Best selected seed, uniform in size, shape and color. Lb., 25c; 2 lbs., 40c; 5 lbs., \$1.00; 15 lbs., \$2.50. Ask for prices on larger quantities.

PRICES OF ALL FIELD BEANS SUBJECT TO CHANGE TO MEET MARKET CONDITIONS

BEETS

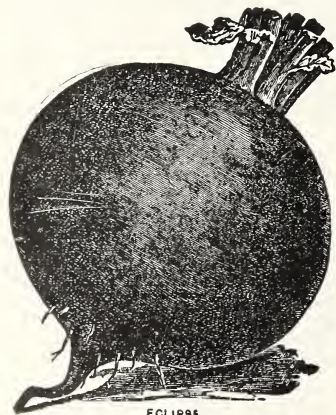
CULTURE—Sow as early in spring as ground can be worked and every two weeks to July for succession. For main crop sow about middle of May. Sow in drills fifteen inches apart; and when well up, thin until a plant stands at each five inches in row.

One ounce of seed to 60 feet of drill;
10 pounds to acre.

DETROIT DARK RED—A round beet of uniform dark red color and unexcelled for canning. It produces oval-shaped roots which are remarkably uniform. Early, of medium size and desirable for bunching. A general-purpose beet of superior merit. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

EDMAND'S BLOOD TURNIP — A standard general-purpose beet of superior quality. Uniform in shape, of good marketable size, deep blood color and fine flavor. Excels as a summer beet. Grows a small top and uniformly but single tap root. A good keeper; highly recommended for home or market garden. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

HALF LONG BLOOD—High quality, sweet and tender. Color a rich dark blood red. Desirable to slice for pickles. Of firm texture and a good keeper. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 80c.



ECLIPSE.

CROSBY'S IMPROVED EGYPTIAN—A popular variety equally valuable for both home and market garden. One of the earliest sorts and is used extensively for forcing.

It acquires a perfect shape when small, making a good beet for bunching. Color, bright red with rings of lighter shade. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

MANGEL WURZEL

BEETS FOR STOCK AND POULTRY FEED—THE MOST NUTRITIOUS AND ECONOMICAL FEED

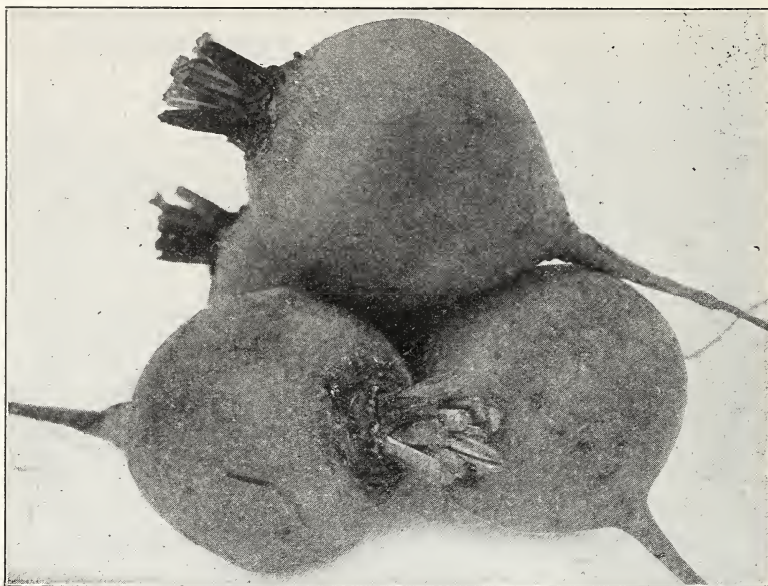
Plant in rows $2\frac{1}{2}$ feet apart, one inch apart in row, covering to depth of one inch. When well started, thin to ten inches in row. Harvest as soon as frost comes.

On rich soil Mangel Wurzel make an enormous yield. Their value as feed may be demonstrated by the improved condition of animals and the increase in milk when used as a dairy ration.

Six pounds seed to one acre

PRIZE MAMMOTH LONG RED—The standard Red Mangel and the most extensively grown. Grows in good soil to a length of 24 to 30 inches, making a yield of 30 to 50 tons per acre. Grows well above the ground and thus easy to harvest. Our seed is from a select strain and will give an excellent account of itself. Oz., 5c; $\frac{1}{4}$ lb., 20c; lb., 55c; 5 lbs., \$2.50.

GOLDEN TANKARD—Distinguished by its rich golden-yellow color. Grows well above ground and on account of its peculiar shape is easily harvested. Diameter is large in proportion to length, and root tapers off sharply at bottom. Excels other varieties in per cent of sugar and in milk-producing quantities. Considered indispensable by English dairy farmers. Oz., 5c; $\frac{1}{4}$ lb., 20c; lb., 55c; 5 lbs., \$2.50.



DETROIT DARK RED

CRIMSON GLOBE BEET—Excels in both appearance and quality. Shape is a perfect globe, tops small, uniform in size. Remarkably fine grained and sweet. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

IMPROVED LONG RED—We offer seed of our excellent strain to those desiring a long red beet. The long beets stand dry weather better than turnip varieties. Sweet, tender and a good winter keeper. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c.

ECLIPSE—One of the best known table beets, especially noted for earliness and fine quality. Globe shaped, bright red, smooth, fine-grained and tender; top small. A heavy cropper and good keeper. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

SWISS CHARD—Also called *Spinach Beet*, as young leaves may be gathered and used for greens. Swiss Chard is cultivated for the edible leaf stalks, which are very palatable when prepared in same manner as Asparagus. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 90c.

BROCCOLI

Culture same as Cauliflower. One ounce of seed will produce 2000 plants.

EARLY LARGE WHITE FRENCH, $\frac{1}{4}$ oz., 15c; oz., 50c.

ITALIAN GREEN SPROUTING, $\frac{1}{4}$ oz., 20c; oz., 65c.

CABBAGE

Cabbage requires rich soil, heavy manuring and good cultivation. Sow seeds in frames or open seed beds and transplant. For early plants sow seed in January or February under glass and transplant as soon as weather will permit; for late cabbage sow seed during April or May and transplant in June or July. Set in rows 2 to 2½ feet apart, 2 feet between plants. One ounce of seed to 2,500 plants; 5 ounces to the acre. For Cabbage Worms use Slub Shot or Fish Oil Soap Solution.



EARLY JERSEY WAKEFIELD

EARLY JERSEY WAKEFIELD—A variety deserving a place in every garden. Heads conical in shape, growing solid and with few outer leaves. No other cabbage bearing as large head is as early. ¼ oz., 5c; oz., 20c; ¼ lb., 70c.

HOLLANDER OR DANISH BALL HEAD—One of the best late varieties; hardy, handsome, solid and sure to head. A vigorous, compact grower. Excellent for shipping and a splendid keeper, desirable for spring use. Medium size. Fine quality. ¼ oz., 5c; oz., 20c; ¼ lb., 70c; lb., \$2.40.

SUCCESSION (Henderson's)—A flat, large head cabbage maturing in mid-summer. May be used for autumn or winter crop. Remarkably uniform and true to type. ¼ oz., 5c; oz., 20c; ¼ lb., 70c.

MAMMOTH RED ROCK—Uniform solid heads often weighing 10 to 12 pounds each. Largest heading red cabbage. ¼ oz., 5c; oz., 20c; ¼ lb., 70c.



COPENHAGEN MARKET CABBAGE

ALL HEAD EARLY—The earliest flat cabbage with deep, flat head, remarkably solid and tender. Suitable for spring and early summer, or for winter use. ¼ oz., 5c; oz., 20c; ¼ lb., 70c.

GOLDEN ACRE—A new variety, early, round-headed, resembling Copenhagen Market in type. Uniform in shape and size, of showy appearance and fine texture. Five days earlier than Early Jersey Wakefield. ¼ oz., 10c; oz., 40c; ¼ lb., \$1.35.

COPENHAGEN MARKET—A solid round head nearly as early as Early Jersey Wakefield and a heavier yielder. A vigorous grower with short stem and few outer leaves. Heads are uniform in size; a profitable variety rapidly growing in favor. ¼ oz., 5c; oz., 20c; ¼ lb., 70c; lb., \$2.40.

MAMMOTH LATE DRUMHEAD—Short-stemmed. A compact grower, forming a solid head of handsome appearance. An established standard. ¼ oz., 5c; oz., 20c; ¼ lb., 70c.

IMPROVED DRUMHEAD SAVOY—Large head, crisp, wrinkled leaves, delicate flavor. ¼ oz., 5c; oz., 20c; ¼ lb., 70c.

SUREHEAD—One of the best late varieties. Always heads and all head. Uniform in size, of flat Dutch type in shape, solid, firm, of fine texture and sweet flavor. A good shipper and excellent keeper. ¼ oz., 5c; oz., 20c; ¼ lb., 65c; lb., \$2.25.



PREMIUM FLAT DUTCH

PREMIUM LATE FLAT DUTCH—Too well known to require extended description. Our seed is of an excellent strain, and will give a good account of itself. ¼ oz., 5c; oz., 20c; ¼ lb., 65c; lb., \$2.25.

CHINESE CABBAGE

WONG BOK—Shorter, heavier heads than other varieties. ¼ oz., 10c; oz., 30c; ¼ lb., \$1.00.

CAULIFLOWER

CULTURE—Much the same as Cabbage. Requires rich soil, well watered and responds to careful cultivation. Our seed is Holland grown. One ounce will produce 2000 plants.

HENDERSON'S EARLY SNOW-BALL—An early and standard variety. Under proper treatment almost every plant will make a fine solid head. It is of dwarf habit and valuable either for early or late crop. Pkt., 25c; ¼ oz., 40c; oz., \$1.50.

EARLIEST DWARF ERFURT—Very early, with solid, pure white heads of fine quality. A remarkably reliable header and not to be confounded with the cheaper Dwarf Erfurt. A splendid cauliflower for forcing or out-of-door culture. Pkt., 25c; ¼ oz., 40c; oz., \$1.50.

EARLY PARIS—Very early with short stem and large leaves, producing a good compact white head. Pkt., 10c; ¼ oz., 20c; oz., 70c.

CELERY

CULTURE—Prepare a thoroughly pulverized seed bed and sow seed when apple is in blossom. Cover the seed very lightly and water freely in dry weather. When plants are 3 or 4 inches high, transplant into shallow trenches, repeating the planting at intervals of two weeks for a succession. Celery growing is almost a science; different modes of culture are advanced and the limited space afforded by a seed catalogue does not admit of adequate discussion on the subject. There has been and is being much written and published on celery culture that may be read with profit. One ounce of seed will produce three or four thousand plants.

WHITE PLUME—Probably the most popular variety of celery. Turning almost white as it reaches maturity, it is nearly self-blanching, and requires but little banking. On this account a favorite with amateur growers. Early to mature, fine flavor, appearance perfect. ¼ oz., 10c; oz., 25c; ¼ lb., 90c; lb., \$3.25.

CARROTS

CULTURE—One ounce of seed to 100 feet of drill. Sow in rows 15 inches apart and cover to depth of ½ to 1 inch; thin plants to stand 3 inches in the row. For early crop sow as early in the spring as the ground can be worked, but a crop may be raised from seed sown as late as middle of June. Plant in sandy loam, fertilize with well rotted manure and till well. Carrot seed germinate slowly; in sowing the earth should be pressed firmly about seed.

CARROTS are usually divided into two classes: Garden carrots, cultivated for the table, and field carrots, grown as stock food. Of garden carrots the earliest is the **GOLDEN BALL**, a small variety, nearly a globe shape. It is closely followed by the **EARLY SCARLET SHORT HORN**, a stump-rooted carrot about 3 inches long. **CHANTENAY** and **OXHEART** are of the finest quality, 5 to 6 inches long, decidedly stump-rooted, and quite thick through. **DANVER'S HALF LONG** is about the same length, of medium size and with tapering point, while **IMPROVED LONG ORANGE** is rather slender and penetrates the soil more deeply, needing a light soil for growth and successful harvesting. While these are listed as garden varieties, we would call attention to the feeding value of such carrots as the **OXHEART** and **CHANTENAY**; they are so much more easily harvested than the **LARGE WHITE BELGIAN** and **LONG RED ALTRINGHAM**, which are larger, yield more heavily, and are the varieties usually planted for stock feeding. The **LARGE WHITE BELGIAN** is long and slender, grows one-third to one-half its length above the ground, and is more easily pulled than the **LONG RED ALTRINGHAM**, which grows entirely below.

IF ORDERED BY EXPRESS, DEDUCT 5c PER POUND		oz.	¼ lb.	lb.
GOLDEN BALL OR FRENCH FORCING —Earliest Globular.....	\$0.10	\$0.30	\$1.10	
EARLY SCARLET SHORT HORN —Standard early variety.....	.10	.30	1.10	
CHANTENAY —One of the finest for table use. Orange-Red.....	.10	.30	1.10	
OXHEART OR GUERANDE —Smooth. Fine quality. Orange.....	.10	.30	1.00	
DANVER'S HALF LONG —Dark Orange. Very productive.....	.10	.30	1.00	
IMPROVED LONG ORANGE —Large yielder and good keeper.....	.10	.30	1.00	
LARGE WHITE BELGIAN —Immensely productive.....	.10	.25	.90	
LONG RED ALTRINGHAM —Bright red. Good late keeper.....	.10	.25	.90	



WHITE PLUME

GOLDEN SELF-BLANCHING—This is a celery that has lots of friends, and it deserves them. While its quality is of the best, it at the same time gives the largest return for the least labor. It is of dwarf habit, 18 to 20 inches high, heavy and solid; handsome golden yellow color, of fine nutty flavor, and a good keeper. We have a fine strain of this splendid celery. ¼ oz., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.

EASY BLANCHING—Has the same form and heavy heart of the Golden Self-Blanching, but the stalks blanch white and are slightly taller. An early variety but an excellent winter keeper. Fine quality and easy to blanch. ¼ oz., 10c; oz., 25c; ¼ lb., 90c.

GOLDEN PLUME—A crisp celery of fine nutty flavor and beautiful golden color. Quite resistant to blight and rust and by many growers considered the best early Celery. ¼ oz., 25c; oz., 75c; ¼ lb., \$2.50.

GIANT PASCHAL—The largest celery and a fine keeper. It is an offspring of the Golden Self-Blanching, and partakes of its fine nutty flavor. Stalks are thick, solid, very brittle, and almost as white as ivory. Height about 2 feet, and while stalks are fewer in number than in many smaller varieties, their extra size makes full weight. ¼ oz., 10c; oz., 25c; ¼ lb., 80c; lb., \$2.40.

CUCUMBER

Plant when the weather is settled and warm in rich soil in hills four to five feet apart each way. Use plenty of seed, as the young plant has many foes, and when well up, thin to three or four plants to the hill. When gathering CUT off the fruit, do not PULL it. Do not leave any to ripen on the vines.

For very early Cucumbers plant in hot bed in peat planting pots, which can be transplanted, pots with plants, when danger of frost is past.

ONE OUNCE OF SEED TO FORTY OR FIFTY HILLS; TWO POUNDS TO THE ACRE.

To protect from bugs dust plant and ground near roots with HAMMOND'S SLUG-SHOT.
or spray with Two Way Spray—7 tablespoonsful to 1 gallon of water.



COOL AND CRISP

IMPROVED WHITE SPINE OR ARLINGTON—An excellent strain of what is probably the most widely cultivated cucumber in existence. The fruit is straight, large, full at ends and a beautiful green color. Unexcelled for market or table use, and may also be used for pickling.

IMPROVED LONG GREEN—A fine cucumber, unsurpassed in quality. Fruit long and slim. Standard sort for pickling. ½ oz., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

THORBURN'S NEW EVERBEARING—One of the few varieties that go right on bearing whether or not matured cucumbers are gathered. Blossoms and mature fruit may be seen at the same time upon the same vine, as it bears continuously until frost. Fruit of medium size and fine quality. Extremely early.

EARLY CLUSTER—A short, pale green variety, maturing very early. Fruit is rather prickly and grows in clusters near root of vine. It is largely cultivated on account of its earliness and great productiveness.

NICHOLS' MEDIUM GREEN—An elegant cucumber, partaking of the good qualities of the White Spine and Long Green. It is of medium size, thick, handsome, smooth and a dark green color. Not excelled for pickling, and when mature, for slicing. Do not overlook it when making up an order for seeds.

BOSTON PICKLING OR GREEN PROLIFIC—A popular pickling variety. Dark green, warty with black spines. Prolific bearer on strong vigorous vines. Fresh, crisp and tender.

PERFECTED JERSEY PICKLING—A standard variety. Especially reliable for pickling and slicing. Thin skin and white flesh; fruit uniform in size and with few seeds. The vine is vigorous and a prolific bearer.

CHICAGO PICKLING—Very productive, of uniform size and regular shape, about 6 inches long and 2½ inches in diameter. A favorite market variety.

COOL AND CRISP

UNEXCELLED IN EARLINESS AND QUALITY

This is said to be "the earliest and most prolific of all pickling cucumbers". Fruit long, even, slim, nearly pointed at the ends, and of extra dark green color. A tender, crisp, table variety.

DAVIS PERFECT—A famous cucumber adapted equally to culture under glass or in the open. Distinguished by its dark, glossy, green color and symmetrical shape. Attains a length of 10 inches and is quite as early as the early strain of White Spine. ½ oz., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.25.

EXTRA LONG WHITE SPINE OR EVERGREEN—A dark green straight and attractive cucumber, often attaining a length of 12 inches. Quite early and prolific; crisp and tender. An elegant table variety.

EARLY FORTUNE—An excellent, and attractive cucumber of White Spine type. Skin, rich dark green; shape, cylindrical or slightly tapered; flesh, white, crisp and tender; seed cavity small. Remarkable for strong and vigorous vine growth. A superior, general purpose variety.

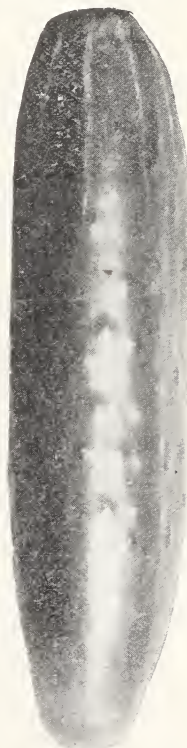
GHERKIN—A small round prickly Cucumber used only for pickles. Should be gathered when young and tender. ½ oz., 10c; oz., 20c; ¼ lb., 50c.

PRICE OF CUCUMBERS
UNLESS NOTED

½ oz.	5c
1 oz.	10c
¼ lb.	35c
1 lb.	\$1.10

PECO PLANTING POTS

Vine seeds if started in peat planting pots can successfully be transplanted.
2 in. pots—25c per doz.
2½ in. pots—30c per doz.

IMPROVED
LONG GREEN

CRESSES

EXTRA CURLED OR PEPPER GRASS—Sow thickly in drills, making repeated plantings during season. Used as a salad. Oz., 10c; ¼ lb., 30c.

WATER CRESS—Grown from roots or seeds in shallow water along edges of streams. Highly valued. ½ oz., 15c; oz., 30c; ¼ lb., \$1.00.

CORN SALAD

CULTURE—Same as lettuce, but is smaller and may be planted more closely. Used as a salad or cook like spinach.

LARGE SEEDED—Is standard variety. Oz., 10c; ¼ lb., 35c.

SWEET CORN

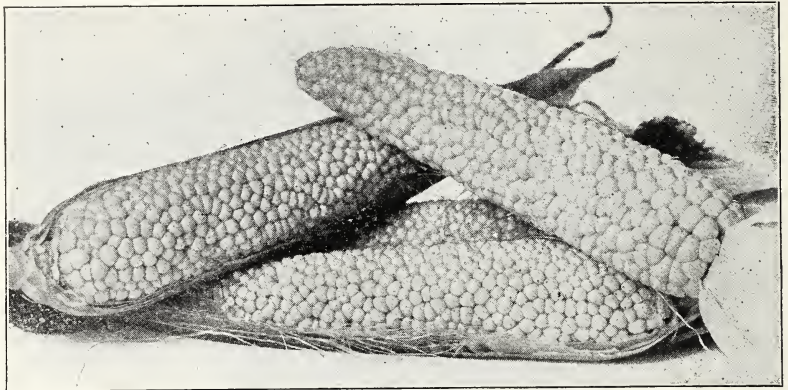
Plant when danger of frost is past in hills two by three feet for small, early varieties and three by four feet for large, late varieties. Thin to three stalks to the hill. Corn may also be drilled in rows 3½ feet apart, planting one grain to each eight inches of row.

One pound of seed will plant 150 to 300 hills; twelve to sixteen pounds to an acre.

NOTICE—Canners and gardeners requiring amounts of Sweet Corn in excess of those quoted below are requested to ask for special prices, stating amount and varieties desired.

ADAM'S EXTRA EARLY—Not a sweet corn, but a dwarf corn, desirable for its color, tenderness and earliness. Dwarf stalks, small ear and very hardy. ½ lb., 15c; lb., 25c; 2 lbs., 35c; 5 lbs., 85c; 15 lbs., \$1.75.

PREMO—A sweet corn that may with safety be planted as early as Adams, as its hardiness enables it to withstand slight frosts. Ears 7 to 8 inches long with 8 to 10 rows of white grains of excellent quality. A vigorous grower, usually bearing two ears to the stalk. ½ lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., \$1.15; 15 lbs., \$2.50.



COUNTRY GENTLEMAN

MAMMOTH WHITE CORY—Early 72 day corn; ears 7 to 8 inches long, bearing 12 rows of grains. Tender, sweet and white. ¼ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 15 lbs., \$2.50.

EARLY MINNESOTA—About as early as Crosby's. Large size ears, sweet and juicy. Highly esteemed for its good qualities and a popular second early variety. ½ lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., \$1.20; 15 lbs., \$2.75.

WHIPPLE'S EARLY WHITE—An extra early variety with deep, wedge shaped grains. Stalk, a vigorous grower, 5 to 6 feet high; ears blocky, 8 inches long, bearing 16 to 20 rows of grains. Earliest and sweetest of the narrow grain evergreen type of sweet corn. ½ lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., \$1.20; 15 lbs., \$2.75.

GOLDEN BANTAM—A tender and very sweet corn of deep yellow color. Naturally an early variety, the hard and firm nature of the cured grain admits of its being planted earlier than any other true sweet corn. Can be planted thickly; bears two or three perfect ears to the stalk. Try it. ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.40; 15 lbs., \$3.45.

BORDEN'S WONDER BANTAM—Fills the demand for a larger Golden Bantam. Same type and quality. Stalks, 5 to 6 feet; ears, 8 to 10 inches, 70 days. ½ lb., 20c; lb., 35c; 2 lbs., 60c; 5 lbs., \$1.35; 15 lbs., \$3.50.

WHIPPLE'S EARLY YELLOW—A remarkable new yellow sweet corn, bearing 14 rowed ears, seven to eight inches long. Larger, earlier and better than Golden Bantam. ½ lb., 25c; lb., 40c; 2 lbs., 75c; 5 lbs., \$1.65; 15 lbs., \$4.00.

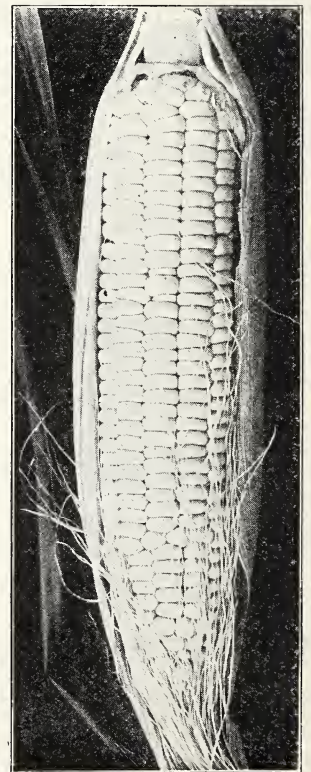
EARLY EVERGREEN—An early edition of Stowell's Evergreen, which it resembles in size and shape. Ears large, bearing 18 rows of grains and maturing in about 80 days. Stalk one foot shorter than Stowell's and bearing two ears. An excellent and very productive early and second early corn. ½ lb., 20c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.30; 15 lbs., \$3.15.

HOWLING MOB—A second Early Sweet Corn that shows more good points than any other variety of its class. Ears measure 7 to 9 inches long with 12 to 14 rows of good size grains. Stalks leafy, vigorous and average five feet in height, usually producing two good, marketable ears. ½ lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., \$1.20; 15 lbs., \$2.75.

KENDEL'S EARLY GIANT—Remarkably large, second early variety. Ears eight to nine inches long, with broad, white grains. Quality good. ½ lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., \$1.20; 15 lbs., \$2.75.

BLACK MEXICAN—An elegant variety for table use, as it is usually sugary and of fine flavor. Grains, white at first, turning black as corn ripens. ½ lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., \$1.20; 15 lbs., \$2.75.

CLUB ZIG ZAG EVERGREEN—Also known as Cincinnati Market. A late strain of Zig Zag producing large ears. Large, deep grains, sugary, tender and unexcelled in flavor. Growing in favor in some markets supplanting old varieties. ½ lb., 20c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.30; 15 lbs., \$3.15; 50 lbs., \$8.75.



GOLDEN BANTAM

Prices on Sweet Corn are Net at Store. Half pounds postpaid; larger quantities by mail add 5c per pound to prices quoted.

SWEET CORN—Continued

STOWELL'S EVERGREEN—Familiar to every private or market gardener in the land, as it is grown more extensively than any other variety of sugar corn. The grains are deep, tender and sweet; the ears are of extra large size and remain long in the green state. Plant for main crop and late use. No order is complete without this corn. $\frac{1}{2}$ lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., \$1.20; 15 lbs., \$3.15; 50 lbs., \$8.50.

COUNTRY GENTLEMAN—The best of the shoe-peg varieties, and one of the finest of all sweet corns. A mid-season corn bearing two to four large, plump ears to stalk. Outclasses all other sorts in delicious flavor and milky sweetness. Deep grain set irregularly on small cob. $\frac{1}{2}$ lb., 20c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.30; 15 lbs., \$3.15; 50 lbs., \$8.75.

BRUSSELS SPROUTS

Sow seeds in frames or open ground, transplant and cultivate same as cabbage.

DWARF IMPROVED—Stems 20 inches high; sprouts well rounded and about 2 inches in diameter. Productive. $\frac{1}{4}$ oz., 10c; oz., 50c.

CHICORY

WITLOOF OR FRENCH ENDIVE—Roots are forced in frames or under glass and new growth of lettuce like leaves used as salad. $\frac{1}{4}$ oz., 10c; oz., 25c.

EGG PLANT

CULTURE—This is a plant of tropical origin and requires rich soil, plenty of warmth and water. Start not too early in hotbeds, and transplant when danger of cool nights is past. Plant singly, 2x3 feet apart. Cultivate same as cabbage. One ounce of seed will produce 1,000 to 1,500 plants.

NEW YORK IMPROVED—The leading market variety. Skin, a deep purple, free from thorns; flesh, white and of good flavor. Plant, a vigorous grower and produces until frost. $\frac{1}{4}$ oz., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.25.

BLACK BEAUTY—Hardier and earlier than New York, and will succeed farther North. Fruit of peculiar shape, 6 to 8 inches long, and of good quality. $\frac{1}{4}$ oz., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.25.

GOURDS

DIPPER—Useful for household purposes. Grow on trellises. $\frac{1}{2}$ oz., 10c; oz., 20c.

JAPANESE NEST EGG—Ornamental. Fruit resembles egg in color and form. $\frac{1}{2}$ oz., 10c; oz., 20c.

SUGAR TROUGH—Large, pear-shaped, adapted to a variety of household uses. $\frac{1}{2}$ oz., 10c; oz., 20c.

DISH CLOTH—Lining used as a natural dish cloth. $\frac{1}{2}$ oz., 20c; oz., 35c.

KALE OR BORECOLE

CULTURE—A headless variety of cabbage and needs same method of culture. Improves by frost and if lightly covered with litter, will survive the winter. An ounce of seed will produce about 3,000 plants.

DWARF GREEN CURLED—Very fine and hardy, with light green, beautifully curled leaves. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c.

GREEN CURLED SCOTCH—Hardier than Dwarf and grows an abundance of dark green wrinkled leaves. Forms a beautiful plant about 2½ feet high. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c.

POPCORN

Popcorn usually commands a ready market at good prices and its culture may be made quite profitable. As it is the chief ingredient in many kinds of popular confectionery, its use is on the increase. Plant and cultivate same as field corn using five pounds seed to the acre.

IMPROVED RICE OR HULLESS—Ears 4 to 5 inches long; kernels deep and sharply pointed. Prolific and handsome. Desirable for family use and a favorite in the market. $\frac{1}{2}$ lb., 15c; lb., 20c; 2 lbs., 35c; 10 lbs., \$1.00.

QUEEN'S GOLDEN—Rich, yellow, handsome ear, 5 to 6 inches long. Four to 6 ears to stalk. Pops perfectly white. $\frac{1}{2}$ lb., 15c; lb., 20c; 2 lbs., 35c; 10 lbs., \$1.00.

ENDIVE

CULTURE—Sow in open ground in June or July in rows 15 inches apart, and thin plants to stand 8 to 12 inches apart. Cover seed to depth of one inch and press earth firmly about it. Blanch in autumn by gathering leaves in hand and tying together, or laying boards on the plants. Do this when the plants are dry, thus preventing rot. May at the beginning of winter be taken up and planted in frame or cellar closely together and thus be kept for winter use. Keep dry and give plenty of air. One ounce of seed to 300 feet of row.

GREEN CURLED—Hardest and best for general crop. Crisp and good quality. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c.

BROAD LEAF BATAVIA—Large, with thick, broad, slightly curled leaves. Blanch by tying, and if properly done it makes a splendid salad. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c.

HERBS

ANISE—Annual. Grown for aromatic seeds. $\frac{1}{2}$ oz., 15c; oz., 25c.

CARAWAY—Biennial. Used in flavoring bread and cakes. $\frac{1}{2}$ oz., 5c; oz., 10c.

DILL—Used in seasoning Pickles and sauces. $\frac{1}{2}$ oz., 10c; oz., 20c.

FENNEL (Sweet)—Perennial. Leaves used for flavoring and garnishing; seeds for flavoring. $\frac{1}{2}$ oz., 10c; oz., 20c.

SAGE—Perennial. Used extensively for seasoning. $\frac{1}{2}$ oz., 25c; oz., 40c.

SUMMER SAVORY—Annual. Used as seasoning for soups and beans. $\frac{1}{2}$ oz., 25c; oz., 40c.

THYME—Perennial. Used as flavoring and as a tonic. $\frac{1}{2}$ oz., 25c; oz., 40c.

KOHLRABI

CULTURE—Cultivate same as cabbage, to which class of plants it belongs. For winter use sow in July. One ounce of seed to 300 feet of drill. Use while young, when larger, still valuable as a winter stock food.

EARLY WHITE VIENNA—Dwarf, small, early; bulb firm and glossy white; flesh, white and tender. $\frac{1}{4}$ oz., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

EARLY PURPLE VIENNA—Similar to White Vienna, except that it is slightly later and of bluish purple color. $\frac{1}{4}$ oz., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c.

LEEK

CULTURE—Sow early in spring, one inch deep in rows four to six inches apart. Thin, and when plants attain height of six or seven inches transplant deeply four inches apart in rows a foot apart. Draw earth to plant as it grows. It may be preserved in trenches like celery or taken up at the approach of winter and stored in earth in cellar. One ounce of seed to 250 feet of drill.

LONDON FLAG—An excellent large growing variety. The old standard with broad, strong leaves. Quite hardy. $\frac{1}{2}$ oz., 10c; oz., 15c; $\frac{1}{4}$ lb., 55c.

LETTUCE

Seed may be sown in hotbed and transplanted, giving space each way of six to twelve inches, according to variety. For later supply sow in drill in spring and summer, and when plants are up to height of an inch, thin to proper distances. Cover seed lightly, give plants good soil, plenty of moisture and good cultivation.

An ounce of seed will produce 2,500 to 3,000 plants or sow 300 feet of drill.

LOOSE-LEAFED VARIETIES

GRAND RAPIDS—The most popular forcing variety of leaf lettuce in cultivation. For greenhouse and hotbed culture it stands in a class alone; however it is splendidly adapted to outdoor culture. It is free from rot and remains in its prime 15 to 20 days. The plant is highly attractive with beautifully frilled leaves. The quality is unexcelled, the large percentage of blanched surface insuring a delicate crispness. $\frac{1}{2}$ oz., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

BLACK SEEDED SIMPSON—An old standard variety of non-heading lettuce. It grows large bunches of crisp, tender leaves, which are of a light green color; inner leaves almost white. $\frac{1}{2}$ oz., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

CURLED SILESIA—Of recent years there has been an increasing demand for curled or crumpled lettuce. This is a splendid non-heading variety and admirable for cutting. It is early, affording quick growth of crumpled leaves of almost golden color. We do not hesitate to recommend it. $\frac{1}{2}$ oz., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.20.

EARLY CURLED SIMPSON—Grows thick masses of light green leaves, thin, slightly frilled, crisp and tender. $\frac{1}{2}$ oz., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

IMPROVED HANSON—A thin leafed, close heading, crisp lettuce extensively grown both for market and home use. Head

HEADING VARIETIES

MAY KING—A compact, solid heading variety suitable for culture under glass or in open air. Almost as certain to head as cabbage and heads bleach out to cream color. The flavor and quality leave nothing to be desired. Early to mature, but stays good ten to fifteen days. $\frac{1}{2}$ oz., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.10.

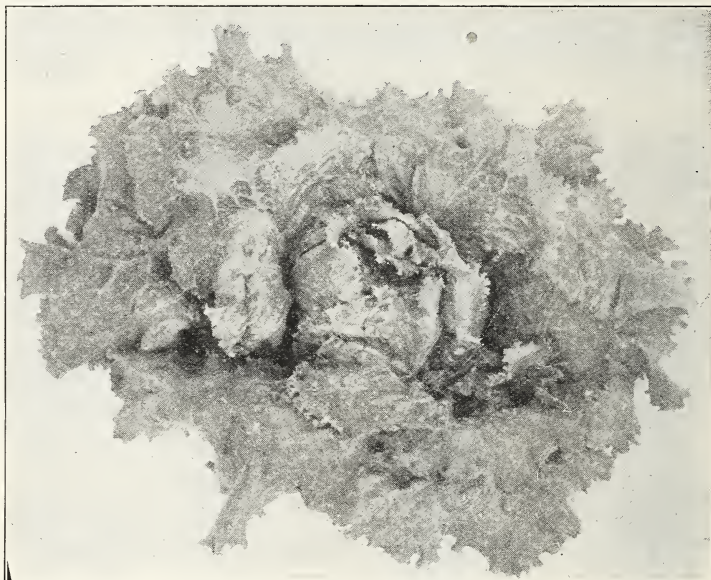
BIG BOSTON—An improved variety of Boston Market. It is one of the best fancy lettuces, forming a good head and thriving better in open air than under hothouse culture. It stands extremes of heat and drought well and for this reason is a profitable market garden variety. Stays good ten or twelve days after maturity. Just a good, general purpose lettuce. $\frac{1}{2}$ oz., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.40.

NEW YORK OR WONDERFUL—A growthy, vigorous lettuce, producing very large heads. Interior, cream-white, tender and crisp, of excellent flavor. Outer leaves rather broad, deep green with frilled edges. An absolutely sure header and slow to run to seed. $\frac{1}{2}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

WAYAHEAD—Early and desirable, producing a large head of tightly folded leaves. The inner head blanches to rich yellow color; outer leaves light green. An early variety of merit and is distinguished by the length of time it stands before running to seed. $\frac{1}{2}$ oz., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

ICEBERG—This handsome lettuce is a comparatively new variety, but is in high favor with all who have given it a trial. The heads are unusually solid and inner leaves are always well blanched. The outer leaves are large, curly and bright green, with slight reddish tinge at edges. This is an ideal lettuce of the finest quality. $\frac{1}{2}$ oz., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.20.

EARLY PRIZE HEAD—Excellent and highly attractive on account of peculiar color, light green curled leaves being delicately tinged with brownish red. A stubborn seeder and remains long in good condition. $\frac{1}{2}$ oz., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.35.



IMPROVED HANSON

is compact and inner leaves white and tender. Outer leaves are slightly curled and of a handsome green color. It is a strong drought resister and withstands the heat. A desirable late summer variety. $\frac{1}{2}$ oz., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.20.

COS OR CELERY LETTUCE

A distinct type of lettuce growing long, spoon shaped leaves which fold into a conical head. Much esteemed in Europe and becoming popular in this country. Later than common varieties and should be sown out of doors for summer and fall use.

PARIS WHITE—Blanches easily, tender and crisp. Forms a compact, oblong head. An old variety but one of the best. $\frac{1}{2}$ oz., 10c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

NEW TRIANON—Slightly earlier than Paris White and forms a solid head that blanches pure white. Delicate flavor and crispness. $\frac{1}{2}$ oz., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c.

MUSKMELON

Select, if possible, rich, sandy soil. After danger of frost is past, plant in hills four to six feet apart, 12 seeds to hill. When well started, thin to three in hill. When vines cover ground, pinch ends of shoots to hasten and increase fruitage.

Use Arsenate of Lead or Slug Shot to fight insects.

One ounce of seed to fifty or sixty hills; two or three pounds per acre.



ROCKY FORD OR NETTED GEM—The most popular and earliest green fleshed muskmelon in cultivation. The fruit is small, oval, nearly round, slightly ribbed, and densely netted; it has thin rind, deep flesh and melting, luscious flavor. The vines are strong growers and prolific bearers of fruit of uniform size and appearance. The leader in all markets. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.10.

OHIO SUGAR—This melon is a prolific variety with firm green flesh of fine texture, sugary and tender. Round, deeply ribbed and finely netted. A splendid shipper. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.20.

EXTRA EARLY HACKENSACK—An improvement on the old Hackensack. Similar in shape, appearance and size, but full ten days earlier. Flesh rich and sugary. Vines are strong growers and bear abundantly. Very desirable for home use or for shipping. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

HACKENSACK OR TURK'S CAP—This is an old standard green fleshed melon of splendid flavor. The fruit is large, round, flattened at the end and ribbed. The vines are hardy and prolific bearers. Too well known to require further description and recommendation. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.10.

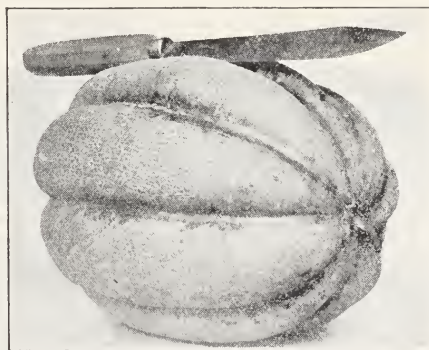
MONTREAL MARKET—A large melon, nearly round and flattened at the ends; deeply ribbed, finely netted on green skin. This melon is much esteemed by all growers on account of its productiveness, large size and fine qualities. Specimens weighing 20 pounds are not rare. Price, same as Hackensack.

HONEY DEW—A new melon of distinct type. The solid emerald green flesh is as sweet as honey and of a delicious flavor. Can be eaten to the rind, which is thin and tough. Almost round in shape. Weight 8 to 10 pounds. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

EMERALD GEM—(Salmon flesh). The sweetest melon of them all and held by many to have the finest flavor. Fruit is small; nearly round and smooth, except slight markings between the ribs. Flesh deep and ripens almost to rind, which is deep green in color. Early. Prices same as Hackensack.

HOODOO OR HEARTS OF GOLD—(Salmon flesh). A new variety of delicious flavor. Medium size, round, desirable either for market or for the home garden. Rind thin, but firm enough to stand shipping. Exterior densely netted. Uniform in shape and of medium size. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

BANANA—(Salmon flesh). A long, smooth-skinned melon with a banana-like aroma. Not a new novelty, but a real melon, with rich golden flesh of splendid flavor. Grows 12 to 15 inches long. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.10.



TIP TOP

TIP TOP—(Salmon flesh). A fine round melon, ribbed and finely netted. It is of attractive appearance, juicy, of sweet spicy flavor and fine aroma.

A TIP TOP Melon, as its name signifies. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.20.

BURRELL'S GEM—(Salmon flesh). Often described as Rocky Ford melon with golden meat. Rich, fine grained and highly flavored. Medium size, oval, slightly ribbed, covered with gray netting. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

WATERMELONS

Select light, well drained soil, plant and cultivate same as muskmelons except that the hills should be eight feet apart.

One ounce of seed to forty hills; four pounds to the acre.

SWEETHEART—A popular market melon, large and attractive. The fruit is oval, almost round, very heavy and with beautiful bright mottled green exterior. Rind thin but firm. Flesh red, firm and solid, and of delicious sweetness.

FORDHOOK EARLY—A late introduction of considerable merit. It is the largest melon of the extra early class, weighing thirty to forty pounds. It is a good shipper and of fine sweet quality. Color uniform, medium green. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

COLE'S EARLY—So good that it is too tender and brittle for shipping. Sure cropper, vigorous, hardy and very early. Flesh sweet and melting clear to rind, medium size, nearly round.

STONE MOUNTAIN—A large Melon, nearly round with a dark green rind. Flesh solid, bright scarlet, juicy and sweet, with few seeds. A superior melon for home gardner or neighborhood trade.

TOM WATSON—A popular new melon of the long green type. Flesh is very red, sweet and unexcelled in quality. Rind is not thick, but is tough enough to withstand shipping. While it is a desirable melon for home use, yet its prolific habits render it a profitable market variety.

KOLB'S GEM—This is a great shipper's melon, having a thin but very tough rind. Fruit is short, thick and of good size, and with striped exterior. Flesh, red and of fair quality.



SWEETHEART

Price of Watermelons Unless Noted

$\frac{1}{2}$ oz.....	5c
1 oz.....	10c
$\frac{1}{4}$ lb.....	30c
1 lb.....	85c

PEERLESS—Medium size, oval; rind, mottled light green; flesh, firm and sugary; vine hardy, vigorous and a heavy bearer.

HALBERT HONEY—A long, dark green melon with a thin rind and deep red meat, sweet and crisp. Fine for home garden or local market.

CUBAN QUEEN—A large oval melon of excellent quality. Rind thin, firm and attractively striped and mottled; flesh red, firm and crisp.

GEORGIA RATTLESNAKE—A large, oblong melon, striped and mottled with different shades of green. The rind is not thick and the flavor is first-class.

FLORIDA FAVORITE—An oblong melon with exterior of dark and light green markings. Flesh, bright red, crisp, and of superb flavor.

MUSHROOMS

May be grown with profit either in cellars and sheds or outdoors under proper conditions.

Can furnish a Treatise on Mushroom Culture, 25c each, or free with order of 10 lbs., or over.

Falconer's Mushroom Culture, cloth, \$1.00 postpaid.

SUPERIOR ENGLISH MILLTRACK SPAWN—Is relied upon by growers as superior on account of its uniformity and certainty to produce Mushrooms. It comes in bricks of about 20 ounces each, and one brick will spawn about 10 feet square. Price 20c per lb., or 25c per brick; 10 lbs., \$1.10; 100 lbs., \$8.00. If by mail, add 5c per pound to these prices.



KLECKLEY SWEETS—A highly prized melon because of its remarkable sweetness and fine flavor. Fruit is large, of oblong shape, flesh scarlet, ripening to one-half inch of the skin. Seeds lie close to the outside, leaving a large, solid crisp heart. Not a good shipper, but a superb melon for home use. There is no better melon. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 95c.

ICING OR ICE RIND—(Dark). A desirable melon of medium size with thin rind. Flesh solid and rich in sugar.

ONIONS

Onions will grow in any good soil and will succeed well when grown on same ground for a succession of years. Fertilize well with rotted manure or commercial fertilizer. For large onions sow seed in frames in February or March and transplant in April. Large onions may also be grown under outdoor culture from seed the first year, by sowing the seed thinly in drills one foot apart, covering one-fourth to one-half inch deep. For sets sow thickly in drills as early in spring as possible. For raising crop of sets would recommend Yellow Danvers White Portugal or Yellow Dutch. In planting, onion sets should be placed two inches apart in drills twelve inches apart.

FOR RAISING LARGE ONIONS one ounce of seed will sow 150 feet of drill; 4 to 5 pounds to acre. For sets, 40 to 50 pounds per acre is required; if using sets, plant 6 to 8 bushels per acre.

YELLOW DUTCH—Same as Yellow Strasburg. A flat onion of large size, with white flesh of mild flavor. It is a good producer, a fine keeper, and one of the most profitable market varieties. One of the best onions for growing sets. $\frac{1}{4}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c.

LARGE RED WETHERSFIELD—An immensely productive onion and a standard variety in many of the markets. The bulbs are flat but thick through, thus ripening and keeping well. Flesh is white, white reddish tinge in rings; flavor moderately mild, but reliable when cooked. $\frac{1}{4}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 70c; lb., \$2.40.

SILVERSKIN OR WHITE PORTUGAL—Very desirable for family use; Highly prized for its handsome silvery white skin and mild flavor. It is largely used when young for pickling, as whiteness of skin obviates the necessity of peeling. This is the variety from which white sets are grown. The shape is flat, but thick through, while flesh is white, fine grained, and crisp. $\frac{1}{4}$ oz., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

SOUTHPORT WHITE GLOBE—One of the most attractive onions grown; of globular form, with clear, white skin, and large size. It always commands highest market price. The flesh is white, firm and mild to the taste. $\frac{1}{4}$ oz., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.20.

WHITE BARLETTA—An extra early onion, forming a bulb three-fourth to one and one-fourth inches in diameter. Pure white in color, and mild and delicate in flavor. Used for pickling. $\frac{1}{4}$ oz., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.30.

YELLOW GLOBE DANVERS—The standard variety for market and winter use. We have an excellent strain of this onion, producing bulbs uniform in shape and color, of good size and with small necks. Exterior is a pale golden color, while flesh is pure white, crisp and mild flavor. We wish to recommend our seed to our friends, and do so with confidence that results will be satisfactory. $\frac{1}{4}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 70c; lb., \$2.00.

PRIZETAKER—A comparatively new onion that is becoming exceedingly popular on account of its large size and superior qualities. Specimens have been grown to weigh in excess of six pounds. The bulb is of a bright straw color, a perfect globe in shape, with small neck. Flesh white, crisp, tender and mild. It ripens up hard and is a good keeper. Our seed is American grown. $\frac{1}{4}$ oz., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c.

MUSTARD

WHITE—Superior for salads or for use with pickles. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 85c.

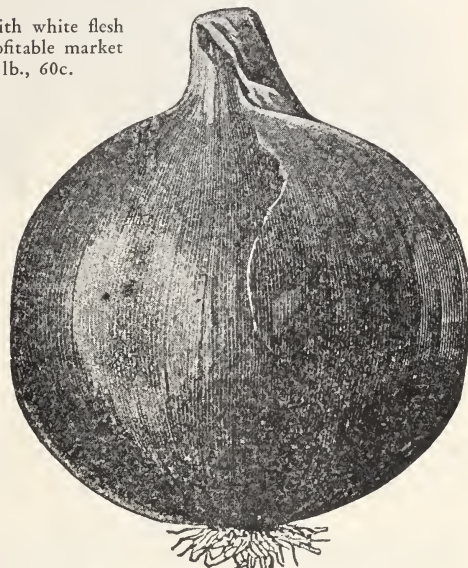
BROWN OR BLACK—Stronger than white. Price same.

PARSNIPS

CULTURE—Sow in spring as soon as weather will permit and treat the same as carrots. Parsnips may be left over winter in the ground, as their flavor is improved by freezing.

HOLLOW CROWN—Same as Long Smooth, Long White Dutch, or Improved Long Sugar. Tender, sugary and nutritious. Excellent for table use or to feed to stock. A great cropper and probably the best for general cultivation. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c.

IMPROVED HALF LONG OR GUERNSEY—Roots not so long, but larger in diameter than Hollow Crown. For this reason more easily harvested. Flesh of good quality, fine grained, and of good flavor. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 80c.



ONION SETS

YELLOW BOTTOM SETS
RED BOTTOM SETS

WHITE BOTTOM SETS
WHITE MULTIPLIERS

JAPANESE SETS

Prices, postpaid, any variety: Pt., 15c; qt., 25c; 4 qts., 75c.

BERMUDA ONION PLANTS

WHITE OR YELLOW IN SEASON

OKRA OR GUMBO

CULTURE—When ground is warm and danger of frost is past, sow seed in drills three feet apart, and when up, thin to ten inches in row. When young, gather the pods, which are used for thickening soups or stews. One ounce to every 100 feet of drill.

WHITE VELVET—Produces pods that are round, smooth, not prickly, and larger than those of any other variety. Productive and very tender. Oz., 10c; $\frac{1}{4}$ lb., 25c.

PARSLEY

CULTURE—Sow early in spring, previously soaking seed for several hours in order to quicken germination. Sow thickly in drills eight inches apart and thin to proper distances. Will grow through winter with slight protection. One ounce of seed to 150 feet in row.

CHAMPION MOSS CURLED—Ornamental in growth and very productive. Invaluable for garnishing and excellent for green seasoning. Leaves densely curled and beautiful dark green in color. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c.

EMERALD OR EXTRA CURLED DWARF—Leaves are bright green, finely curled and mosslike in appearance. Ornamental. $\frac{1}{2}$ oz., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c.

Ask For Prices
Large Amounts
Seeds or Sets



PEAS

Plant early varieties as soon as weather will permit and for a succession continue to plant peas every ten days or two weeks until July 1st. Sow in drills $2\frac{1}{2}$ to 4 feet apart, according to variety. In gardens they may be sown in double rows a foot apart, using supports for vining sorts. In field culture use no sticks.

ONE POUND OF SEED TO SIXTY FEET OF DRILL; 90 TO 120 POUNDS TO THE ACRE.

EXTRA EARLY PEAS

MAUD S. OR FIRST AND BEST—A variety that is popular on account of its hardiness and extreme earliness. The vines are strong growers from 24 to 30 inches high, and are loaded with straight, well-filled pods that ripen so uniformly that all may be picked at two or three pickings. Peas are smooth, of good size and excellent quality. $\frac{1}{2}$ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 15 lbs., \$2.75.

GRADUS OR PROSPERITY—An extra early wrinkled pea that may be planted along with the earliest varieties, matures three days later than Maud S. or Alaska and produces pods as large as Telephone and peas as delicious in flavor. Pods uniformly 4 to $4\frac{1}{2}$ inches in length, nearly round and closely filled with large peas. Vine 20 to 30 inches high and is free bearer. $\frac{1}{2}$ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 15 lbs., \$3.00.

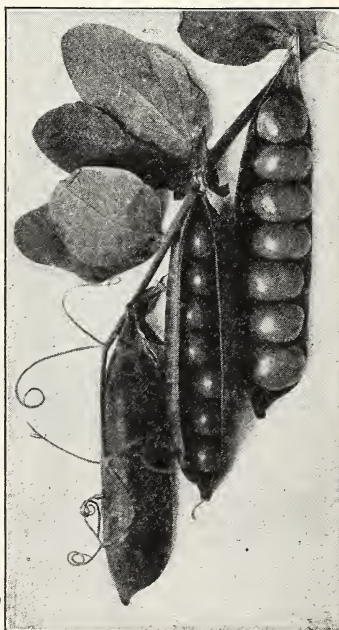
AMERICAN WONDER—An early dwarf, wrinkled pea, growing strong stocky vines 8 to 10 inches high. Pods are large and well-filled with large peas of superior quality. Quite early. $\frac{1}{2}$ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 15 lbs., \$2.75.

LITTLE MARVEL—One of the newer varieties of first early wrinkled peas. Height, 15 inches; pods, 3 inches long, with a habit of growing in pairs. A superior early variety. $\frac{1}{2}$ lb., 15c; lb., 25c; 2 lbs., 35c; 5 lbs., \$1.00; 15 lbs., \$2.75.

PREMIUM GEM—An improved strain of McLean's Little Gem. Height 18 inches, foliage dark green; pods light green, three inches long, filled with six to eight green peas. Good quality. Very productive. $\frac{1}{2}$ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 15 lbs., \$2.75.

NOTT'S EXCELSIOR—A popular wrinkled pea with which every grower is familiar. It is so hardy that it may with safety be planted quite as early as smooth varieties, and peas are ready for table in forty-five days from planting. Vines are vigorous, productive, and from 12 to 15 inches high. Pods are thick and chunky, containing 7 to 10 peas so closely packed together as to be square rather than round. Peas tender and unusually sweet. This variety cannot be excelled for early market or home use. $\frac{1}{2}$ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 15 lbs., \$2.75.

NOTT'S EXCELSIOR



ALASKA—A smooth blue pea that is a standard and has become a great favorite in the market. Vines are stout and from 2 to $2\frac{1}{2}$ feet high; pods are large, dark green and ripen uniformly. $\frac{1}{2}$ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., 90c; 15 lbs., \$2.50.

THOMAS LAXTON—A prolific early wrinkled pea of the Gradus type. The growth is similar to Gradus, but the pods are square at the end and darker green in color. The vine is stocky and vigorous, while the pods are large, containing 7 to 8 large-sized peas of excellent flavor. This is the most profitable and a favorite market garden early pea. Height, 3 feet. $\frac{1}{2}$ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 15 lbs., \$2.75.

LAXTONIAN—A large podded variety somewhat like Gradus, though more dwarf and slightly earlier. Height $1\frac{1}{2}$ feet; pods and vine deep green; pods $3\frac{1}{2}$ to 4 inches long, straight and pointed, containing 6 to 8 large, dark, green peas. $\frac{1}{2}$ lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., \$1.10; 15 lbs., \$2.90.

If Peas are ordered by express or freight, see "Postage", Page 1.

PEAS—Continued**SECOND EARLY AND MAIN CROP PEAS**

BLISS' EVERBEARING—Continues a long time in bearing, is very productive and unsurpassed in quality. It grows 2 to 2½ feet high and is of branching habit, sometimes forming as many as ten stalks from one root. It is adapted to summer and autumn cropping, and vine will continue to blossom and strive to ripen seed if peas are picked as they come to maturity. Peas large, wrinkled and of peculiarly fine flavor. No order for seeds complete without this magnificent pea. ½ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 15 lbs., \$2.75.

IMPROVED STRATAGEM—A fine, large podded, wrinkled pea that grows but 18 inches high; may be grown without supports like the early varieties, and yet mature with Telephone and Champion of England. Its bearing capacity is large, and it grows usually two stalks from the same seed. Pods are often five inches long and contain as many as ten peas to the pod. Table qualities perfect. ½ lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., \$1.10; 15 lbs., \$2.70.

HORSFORD'S MARKET GARDEN—Remarkably prolific, yielding wrinkled peas of first-class quality. Height, 3 feet; requires no sticks. A favorite with market gardeners, but fully as good for home table. ½ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 15 lbs., \$2.75.

For Peas, First, Last, And All The Season, Use Little Marvel, Bliss' Everbearing, And Telephone. Two Pounds of each, \$1.10; 1 pound each, 65c; ½ pound each, 35c.

PUMPKINS

LARGE CHEESE OR KENTUCKY FIELD.

CULTURE—Treat much the same as melons, although pumpkins do not require so rich soil. They are often planted in corn fields in hills ten feet apart, two seeds to a hill, and allowed to mature after corn is laid by. Seeds vary in size from 100 to 200 to the ounce.

KENTUCKY FIELD (Large Cheese)—Large, yellow-fleshed, flat. A superior field pumpkin, and yet valuable for table use. Hardy and productive. Oz., 5c; ¼ lb., 15c; lb., 45c; 5 lbs., \$2.00.

SUGAR—The great New England pie pumpkin. Exterior a handsome deep orange; flesh yellow, fine grained and sugary. Average size, about 5 pounds. An excellent keeper. Oz., 10c; ¼ lb., 25c; lb., 85c.

CASHAW CROOKNECK, STRIPED—Exterior mottled green and white stripes. Fine grained, solid, yellow flesh. Weighs 10 to 15 pounds. Oz., 10c; ¼ lb., 25c; lb., 85c.

TENNESSEE SWEET POTATO—Flesh when cooked resembles that of a sweet potato in appearance and taste. Medium size and pear-shaped; creamy color often striped with green. Flesh light color, dry and fine for table use. An excellent keeper. Oz., 10c; ¼ lb., 35c; lb., \$1.25.

DWARF TELEPHONE—Desirable, medium early variety, growing 18 to 20 inches high, requiring no supports. Pods large, containing six to eight wrinkled peas of splendid quality. ½ lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., \$1.10; 15 lbs., \$2.70.

TELEPHONE—A variety that combines all the essentials of a first-class pea. Vine 3½ to 4 feet in height and enormously productive of pods that are unusually large and well filled with pale green wrinkled peas. ½ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 15 lbs., \$2.75.

ALDERMAN—Resembles Telephone but pods are dark green in color. Vigorous grower about five feet in height. Pods attain a length of six inches and contain ten to twelve large peas of superior quality. ½ lb., 15c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00; 15 lbs., \$2.75.

LARGE WHITE MARROWFAT—A favorite variety with field growers and canners. Pods are long, broad and filled with smooth peas. Productive and profitable. ½ lb., 15c; lb., 25c; 2 lbs., 40c; 5 lbs., 90c; 15 lbs., \$2.50.

DWARF SUGAR (Edible Podded)—Break pods and cook like beans, as they are tender and sweet. Highly esteemed wherever tried. Height 2 feet. ½ lb., 20c; lb., 30c; 2 lbs., 50c; 5 lbs., \$1.15; 15 lbs., \$3.00.

CONNECTICUT FIELD—The "Yankee Cow Pumpkin". The ordinary large yellow field pumpkin, suitable for stock food. Oz., 5c; ¼ lb., 20c; lb., 55c; 5 lbs., \$2.50.

LARGE TOURS OR MAMMOTH—Yellow, with salmon-colored flesh. Remarkable on account of size as specimens have attained weight of 200 pounds. Oz., 10c; ¼ lb., 30c; lb., \$1.00.

PEPPERS

CULTURE—Sow in hotbed or under glass and transplant 18 inches apart in rows 2 to 2½ feet apart. Peppers require plenty of warmth and moisture. AN OUNCE OF SEED WILL PRODUCE 1,000 PLANTS.

RUBY KING—Best, largest, most handsome and profitable red pepper, always sweet and mild. Superior for market or family use. Plants stocky and prolific. ¼ oz., 10c; oz., 30c; ¼ lb., \$1.00.

LARGE BELL OR BULL NOSE—Red, early, bell shaped, large and mild. A favorite for pickling. ¼ oz., 10c; oz., 30c; ¼ lb., \$1.00.

CHINESE GIANT—A mild Red Pepper, larger than Ruby King. Valuable either for Salads or for stuffing. Plants make vigorous, stocky growth and are remarkably prolific. ¼ oz., 10c; oz., 35c; ¼ lb., \$1.35.

SWEET MOUNTAIN—Similar to Large Bell, but larger and milder. Often 6 or 7 inches long. Used for stuffed pickles. ¼ oz., 10c; oz., 30c; ¼ lb., \$1.00.

GOLDEN DAWN—A fine golden yellow pepper. Large, mild and fine size for pickling. ¼ oz., 10c; oz., 35c; ¼ lb., \$1.35.

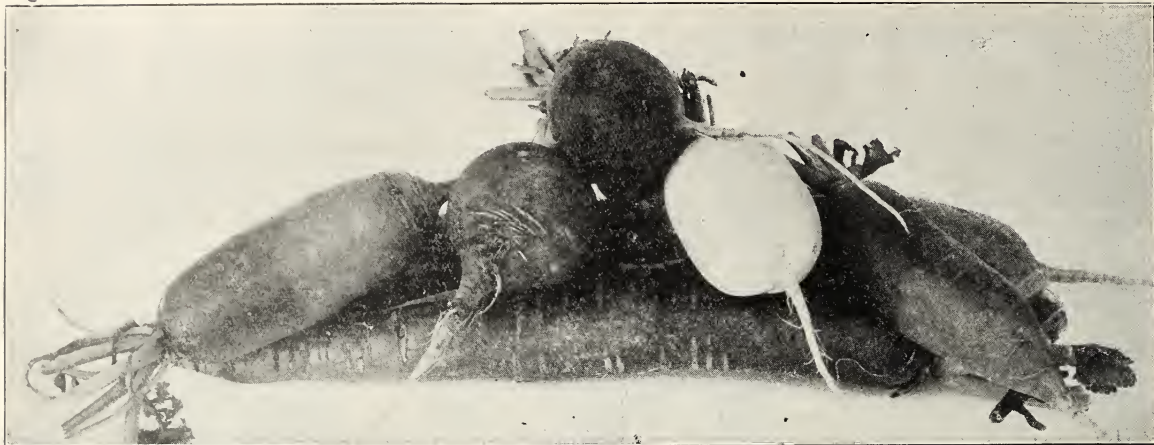
RED CHERRY

RED CHILI

LARGE RED CAYENNE

PIMENTO

All: ¼ oz., 10c; oz., 35c.



RADISHES

Sow early under glass or outdoors as soon as ground can be worked. Radishes grow best in a light sandy loam, and will repay the use of well rotted manure. They should be sown in drill as close together as can be cultivated, and when up, thinned to stand from one to three inches in the row, according to variety.

AN OUNCE OF SEED CONTAINS 3,000 SEEDS AND WILL PLANT 100 FEET OF DRILL.

CINCINNATI MARKET—The best long radish in cultivation, being a fine strain of Long Scarlet Short Top, and it is rapidly coming into general favor. It is a straight, smooth radish of glossy scarlet color and six to seven inches long. The skin is very thin; flesh crisp and of fine flavor. The tops are so small that Cincinnati Market radishes may be grown much more closely than other varieties. It will stand for a long time without becoming pithy or hollow, and while outselling other radishes in the market, it maintains an equally high rank for home use.

FRENCH BREAKFAST—An olive-shaped, scarlet, white-tipped radish that is valuable as an early variety and for forcing. Makes a quick growth and is accordingly very crisp and tender and of mild flavor. A reliable and most popular radish.

EARLY SCARLET TURNIP—Earliest and quickest to mature of the turnip-shaped radishes. Superior for forcing or for early outdoor culture. Top small; flesh crisp and tender. Just what you want for earliest radishes.



EARLY SCARLET TURNIP—WHITE TIP

OTHER VARIETIES—While of turnip-shaped varieties we list first **EARLY SCARLET**, there remain **WHITE TURNIP**, **EARLY SCARLET TURNIP (White Tipped)**, and **DARK RED BALL**, all of which are early sorts, maturing within a few days of each other and producing beautiful, glossy, round, smooth roots, differing but little except in their color, which is indicated by their names. **GOLDEN GLOBE** is a small, round radish, as early as the foregoing and as desirable, but having a golden-brown skin, while **SCARLET GLOBE** is a superior sort, moderate size, with small top and always fine and crisp.

OLIVE-SHAPED SCARLET resembles **FRENCH BREAKFAST**, except in absence of white tip of the latter. Either of them is extra early, and the rather long, tender roots are fine for bunching.

Among the long varieties **LONG SCARLET SHORT TOP** is handsomely colored; a favorite market variety, but no variety is more popular on account of its eating qualities than **WHITE ICICLE**, a beautiful, glossy, white radish, with crisp, tender flesh, but which must be marketed promptly, as it deteriorates by long standing. Probably a week later comes the **CHARTER** or **SHEPHERD**, a fine root of the Long Scarlet type, twice as large, and shading into white color at the tip. It is a fine market garden, all season's favorite. **WHITE STRASBURG** makes a slower growth, and is consequently more solid and later than the rapid growers. It is well proportioned and in high favor as a summer radish.

Of winter varieties we list **ROSE CHINA**, a Chinese variety, stump-rooted, about 5 inches long and of bright rose color, tipped with white; and **LONG BLACK SPANISH**, a European variety of large growth, 6 to 8 inches long, with black skin and pure white flesh.

IF ORDERED BY MAIL, ADD 5c PER POUND

	½ oz.	oz.	¼ lb.	lb.
EARLY SCARLET TURNIP—The Standard early turnip.....	\$0.05	\$0.10	\$0.25	\$0.75
EARLY SCARLET TURNIP—(White Tipped) or Rosy Gem. Attractive.....	.05	.10	.25	.75
WHITE TURNIP—Earliest white radish.....	.05	.10	.25	.75
DARK RED BALL—Same as Dark Round Red or Non Plus Ultra.....	.05	.10	.25	.75
GOLDEN GLOBE—Crisp, white flesh.....	.05	.10	.30	.85
SCARLET GLOBE—Highly recommended.....	.05	.10	.25	.75
FRENCH BREAKFAST—(See description).....	.05	.10	.25	.75
OLIVE SHAPED SCARLET—Fine Strain. One of the earliest.....	.05	.10	.25	.75
CINCINNATI MARKET—(See description).....	.05	.10	.25	.75
LONG SCARLET SHORT TOP—Long, slender; very attractive.....	.05	.10	.25	.75
CHARTIER or SHEPHERD—Remains long in good condition.....	.05	.10	.25	.75
WHITE ICICLE—Slender, graceful.....	.05	.10	.25	.85
WHITE STRASBURG—Good heat resister.....	.05	.10	.25	.75
ROSE CHINA—Juicy, crisp and mild.....	.05	.10	.30	.90
LONG BLACK SPANISH—A good keeper.....	.05	.10	.30	.90

RHUBARB

Usually grown by division of roots. However, plants are easily grown from seed and in this manner may be used for forcing in winter. Plant in rich soil 4 feet apart each way, cultivate well, and top dress twice annually; once in spring and once at the end of pulling season.

LINNEAUS—An early variety, growing large, green stalk.

Tender. ¼ oz., 5c; oz., 15c; ¼ lb., 35c.

VICTORIA—Large red stalk, slightly later than Linnaeus. Preferred for market. ¼ oz., 5c; oz., 15c; ¼ lb., 35c.

SALSIFY OR VEGETABLE OYSTER

CULTURE—Select deep mellow soil, in order that roots may grow long and straight; sow in drills 12 to 16 inches apart, cover to depth of an inch. Thin to 5 inches apart in the row. Roots may be left on ground all winter or stored the same as carrots. One ounce of seed to 150 feet of drill.

LONG WHITE FRENCH—The old standard still in demand, but largely displaced by Mammoth Sandwich Island. ½ oz., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.60.

MAMMOTH SANDWICH ISLAND—Roots pure white, tender, of superior quality, and twice the size of the old variety. ½ oz., 10c; oz., 20c; ¼ lb., 55c; lb., \$1.80.

SQUASH

Plant bush varieties in hills 4 x 5 and running varieties in hills 6 x 8 feet apart and treat much the same as melons. Squashes are very tender, and seed should not be planted until ground is warm and in good condition. They delight in rich soil. ONE OUNCE OF SEED TO 25 HILLS SUMMER SQUASHES, OR 15 HILLS WINTER VARIETIES.

PROTECT FROM STRIPED BUGS BY USING SLUG SHOT.

YELLOW SUMMER CROOKNECK—A summer squash of superior quality and deservedly popular; of bush growth and very productive. Fruit golden yellow and heavily warted; flesh yellow, with green tinge and fine grained. Oz., 10c; ¼ lb., 30c; lb., \$1.10.

EARLY WHITE BUSH SCALLOP—The well-known white Patty Pan. Hardier and earlier than the summer varieties. A good shipper. Oz., 10c; ¼ lb., 30c; lb., \$1.10.

BOSTON MARROW—Highly esteemed for fall and winter use. Medium size, oval shape, bright orange color, and rich, salmon flesh. Fine grained, dry and excellent for pies. A good winter keeper. Oz., 10c; ¼ lb., 30c; lb., \$1.00.

DELICIOUS—A fall and winter squash of medium size. Shape similar to the Hubbard, with which it compares favorably in flavor and rich yellow color. Shell is green and smooth, hard and thin. Oz., 10c; ¼ lb., 35c; lb., \$1.25.

VEGETABLE MARROW—A summer and fall variety of oblong shape, growing about nine inches in length. Vines are of bush habit, fruit pale straw color with white flesh. An introduction from England where it is very popular and is prepared for use in various ways. Flavor, especially delicate. Oz., 10c; ¼ lb., 30c; lb., \$1.00.

WARTED HUBBARD—Similar in size and quality to well-known Hubbard, but more heavily warted and uniformly a very dark green in color. Shell very hard which guarantees its long keeping. Flesh quite delicate and sweet. Oz., 10c; ¼ lb., 35c; lb., \$1.25.

SPINACH

CULTURE—Sow early in spring or fall, broadcast or in drills; as it grows, thin out for use. It can be cut at any time when not covered with snow. If intended for winter use, mulch lightly with straw in very cold weather.

One ounce seed to 100 feet of drill; 10 pounds to acre.

VICTORIA—A spinach that will stand two or three weeks longer than other varieties before running to seed. Distinguished by its heavy, dark green foliage. It is of excellent quality and has the true Savoy appearance. Oz., 5c; ¼ lb., 15c; lb., 35c; 5 lbs., \$1.45; 10 lbs., \$2.75; 25 lbs., \$5.75.

BLOOMSDALE SAVOY LEAFED—Leaves large, thick and curled. Very hardy, a heavy cropper, and keeps well after cutting. Oz., 5c; ¼ lb., 15c; lb., 35c; 5 lbs., \$1.45; 10 lbs., \$2.75; 25 lbs., \$5.75.

NEW LONG STANDING—Leaves large, crumpled and of fleshy appearance. Equally as good as Savoy-leaved and especially good for spring sowing. Oz., 5c; ¼ lb., 15c; lb., 35c; 5 lbs., \$1.45; 10 lbs., \$2.75; 25 lbs., \$5.75.

KING OF DENMARK—After careful investigation we are convinced this valuable new variety of spinach fulfills all claims made by its originator. The leaves are dark green in color, more crumpled than Long Standing which it resembles in shape and general appearance. It grows rapidly and is ready for use as soon as the medium early varieties, but remains in good condition 10 days after all other varieties have gone to seed. The quality is desirable and we urge a trial. Oz., 10c; ¼ lb., 15c; lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.75; 25 lbs., \$8.00.



HUBBARD SQUASH

IMPROVED HUBBARD—A squash that has stood the test and is still the standard. Flesh, dark yellow, fine grained, rich and dry. Exterior color of Hubbard varies between dark green and orange. Shell is hard; unexcelled as a keeper. Oz., 10c; ¼ lb., 35c; lb., \$1.10.

BANANA—Noted for its vigorous growth and prolific habits. Shell, grayish green; flesh, solid and dry with small seed cavity. About six inches in diameter and attains a length of 2½ feet. Oz., 10c; ¼ lb., 35c; lb., \$1.25.

TOMATOES

Sow in hot bed or green house early in March in drills four inches apart and half an inch deep. When plants are two inches high transplant to boxes allowing four or five inches between plants. Better still use PEAT PLANTING POTS and thus prevent wilting when finally set in the open ground which should be about the middle of May. Plant 3 1/2 feet apart both ways and cultivate carefully.

One ounce of seed will grow 2,500 plants and will plant almost an acre.

CHALK'S EARLY JEWEL—One of the desirable early sorts especially adapted to home garden culture. Fruit large, handsome, solid, of purplish scarlet color. Vines are vigorous growers and pickings cover a long season. Tomatoes ripen thoroughly without any green core or cracks. 1/4 oz., 10c; oz., 25c; 1/4 lb., 80c; lb., \$2.50.

SPARK'S EARLIANA—A superior early variety. Bright scarlet, nearly round, fruit grows in clusters. Crop ripens uniformly; desirable for truckers and market gardeners. 1/4 oz., 10c; oz., 25c; 1/4 lb., 80c; lb., \$2.50.

BONNY BEST—Vines, vigorous growers producing smooth, round, solid, bright red fruit. Its uniformity makes it desirable for early market and home garden. 1/4 oz., 10c; oz., 25c; 1/4 lb., 85c; lb., \$2.75.

BEAUTY (Livingston's)—Very large, round, smooth, meaty, free from rot, and a good shipper on account of its tough skin and solidity. Color, a glossy crimson, tinged with purple. Borne in clusters of 4 or 5. 1/4 oz., 10c; oz., 25c; 1/4 lb., 80c; lb., \$2.50.

THE NEW STONE—A large, bright, scarlet tomato. The flesh is firm and solid, making it superior in shipping qualities. Ripens evenly from blossom to stem, does not crack and is not subject to rot. Fruit is smooth and well proportioned; attractive and adapted to the fancy trade. 1/4 oz., 5c; oz., 20c; 1/4 lb., 75c; lb., \$2.25.

GREATER BALTIMORE—Resembles the Stone, but fruit ripens earlier and is not quite so large. Solid, with small seed cavity and ripens evenly to a rich, bright red color. Extensively grown as a mid-season and main crop variety. 1/4 oz., 10c; oz., 25c; 1/4 lb., 80c; lb., \$2.50.

DWARF CHAMPION—Distinguished by the stiff, upright growth of the stalks, which hold the fruit clear of the ground. It is a handsome, round, smooth tomato, and while much larger than the extra early sorts, it matures almost as quickly. Color, purplish pink; flesh, solid and firm; table qualities first-class. 1/4 oz., 5c; oz., 20c; 1/4 lb., 75c; lb., \$2.75.

OXHEART—A distinct variety of pink Tomato of attractive shape. Seed cavity, small; flesh, thick and firm. Not a heavy yielder but the pleasing quality, large size and showy appearance make the Oxheart a ready seller. 1/4 oz., 20c; oz., 50c; 1/4 lb., \$1.50.

JOHN BAER—Remarkable for its uniform smoothness and brilliant red color. Bearing but few seed, it is solid and meaty; adapted both to shipping and canning. Ripens evenly right up to the stem. The vine is a vigorous grower, beginning production early and continuing throughout the season. 1/4 oz., 10c; oz., 25c; 1/4 lb., 85c; lb., \$2.50.



PONDEROSA

PONDEROSA—A solid, almost seedless tomato of immense size. Many specimens are reported as weighing from 2 to 3 pounds. Some of the fruit is smooth, but some is creased and misshapen. Color, crimson; fine for slicing. 1/4 oz., 10c; oz., 35c; 1/4 lb., \$1.25.

TRUCKER'S FAVORITE—Large, solid, smooth, reddish purple, of fine appearance and a good shipper. Begins to ripen early, and continues bearing until frost. Very productive and unexcelled for main crop. 1/4 oz., 10c; oz., 25c; 1/4 lb., 85c.

THE BUCKEYE STATE—A splendid all-purpose tomato and a heavy cropper. It is half again larger than the Beauty; round, smooth, and of deep red color. Thick through from blossom to stem, meaty, solid, and of superior flavor. 1/4 oz., 10c; oz., 30c; 1/4 lb., \$1.00.

MARGLOBE—Wilt resistant. Almost a perfect globe in shape, of deep scarlet color and attractive appearance. Fruit is large, firm, thick and of highest quality. A superior tomato for canning or for use from the vine. Vine, vigorous and productive. 1/4 oz., 15c; oz., 40c; 1/4 lb., \$1.25.

GOLDEN QUEEN—Golden yellow color, large, smooth, and desirable for slicing. Strong growing and prolific. 1/4 oz., 10c; oz., 35c; 1/4 lb., \$1.25.

SMALL-FRUITED VARIETIES

Not only ornamental, but used for pickling and preserving.

Pear Shaped, Red	1/4 oz., 10c	oz., 35c
Pear Shaped, Yellow	1/4 oz., 10c	oz., 35c
Yellow Plum	1/4 oz., 10c	oz., 35c
Red Cherry	1/4 oz., 10c	oz., 35c
Yellow Cherry	1/4 oz., 10c	oz., 35c

Special Prices to Cannery and Market Gardeners

TURNIPS

Turnips are usually sown broadcast, but yield may be increased by sowing in drills 12 to 15 inches apart and thinning to stand 15 inches in the row. Have ground finely prepared and cover seed lightly. For spring crop sow as soon as ground opens; for fall and main crop sow in July and August. The White Egg is the market gardener's spring turnip.

One ounce to 150 feet drill; two pounds to the acre.

RED OR PURPLE TOP STRAP LEAF—The old reliable standard favorite turnip, unexcelled for table use or as food for stock. A quick grower, fine grained and of mild flavor. Round and flat; reddish purple above the ground, white below. The flesh is white; tops small and with few leaves. Oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

WHITE EGG—Excellent either for early or late planting. It is a beautiful white turnip, egg-shaped and thin skinned. Always solid, fine grained, sweet and good flavor. Yields a quick growth and the highest market price. Oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

EXTRA EARLY PURPLE TOP MILAN—The earliest turnip in cultivation. Flat, medium sized, white and purple top; leaves few and light green. Oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.10.

EARLY WHITE FLAT DUTCH—A medium size, strap leaf, flat turnip, with glossy, white skin and mild, juicy flavor. It is early, a quick grower and a market favorite. Oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

WHITE GLOBE—This extraordinarily large turnip grows to diameter of six inches, and has attained a weight of twelve pounds. It is clear white, of perfect globe shape; flesh firm, crisp and white; strap leaves, long and erect. Of remarkably quick growth, it is unexcelled for autumn growing. Oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

RED TOP WHITE GLOBE—A rapid growing turnip that forms a large globe-shape root. Handsome, attractive and a ready seller. Flesh white and of superior flavor and quality. Skin white and purple, the purple extending from top to ground line. On account of its shape it surpasses other varieties as a yielder. Oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

YELLOW ABERDEEN—A thick, flat, round turnip, purple above and deep yellow below ground line. The yellow flesh is solid, rich in sugar and nutrition. It is a good keeper, and we recommend it for either table use or stock feeding. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c.



RED TOP WHITE GLOBE

LONG WHITE COW HORN—Grows 12 to 14 inches long, partly above ground. Extensively used for stock feed. Flesh white and good for table use. Oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

RUTABAGA OR SWEDISH TURNIP—Rutabagas should be sown a month earlier than other turnips, and always in drills.

IMPROVED AMERICAN PURPLE TOP—An old standard variety, satisfactory and widely grown. Forms a smooth, large root, with solid yellow flesh of good quality. Superior for table use, stock feeding or marketing. A heavy cropper. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

VEGETABLE SPRAY CHART

CROP	INSECT OR DISEASE	SPRAY WITH	LEVEL TABLESPOONFULS (To 1 Gal. Water)	POUNDS (To 50 Gals. Water)
BEAN	Mexican Bean Beetle	Bean Beetle Dust	Use as dust	Use as dust
	Anthracnose	Bordeaux Mixture		
TOMATO	Leaf-Spot and Tomato Worm	2-Way Spray Slug Shot	6 tablespoonfuls	6 pounds
			7 tablespoonfuls	7 pounds
CABBAGE and CAULIFLOWER	Cabbage "Worms"	Arsenate of Lead and Soap Slug Shot	Use as dust	Use as dust
			1½ tablespoonfuls	1 pound
BEET	Leaf-Spot	2-Way Spray	1 ounce	5 to 6 pounds
			Use as dust	Use as dust
CELERY	Early and Late Blight	Bordeaux Mixture	7 tablespoonfuls	7 pounds
CUCUMBER	Striped Beetle	2-Way Spray Slug Shot	8 tablespoonfuls	8 pounds
PEPPER	Rot	Bordeaux Mixture	7 tablespoonfuls	7 pounds
			Use as dust	Use as dust
			6 tablespoonfuls	6 pounds

SEED POTATOES

HEAVY-YIELDING SELECTED NORTHERN GROWN

The best guarantee that we can offer as to the productiveness and freedom from disease of our Seed Potatoes is the fact that our stock is all drawn from northern sources and personally selected from reliable seed stocks.

Prices of Potatoes are subject to wide fluctuations and present quotations would be of no value. When ready to purchase, ask for our current prices, advising amount and varieties desired.

Prices quoted will include cost of package and delivery to Freight or Express Depot. Orders booked during the winter will be shipped in the order received and as soon as weather permits.

One pound, any variety, by mail 20c; 2 to 11 pounds, by mail, 15c per lb.

IRISH COBBLER—A very early, round, white potato of excellent quality. A variety that has become popular on account of its merit. Offer only Red River stock. Can supply either Certified or non-certified seed.

SIR WALTER RALEIGH—The finest grained potato in cultivation. Smooth, uniform in shape and size; white skin and remarkably white flesh. Unsurpassed as a yielder and a favorite in the markets.

RUSSET RURAL OR PETOSKY—A heavy yielding late potato of finest cooking qualities. Tubers are white with attractive russet skin and very regular in size. Remarkably free from disease. Can supply Certified seed if desired.

WHITE ELEPHANT—A late variety, large and a heavy cropper. White skin, smooth, good flavor and a good keeper.

BURBANK—Medium early, white skinned, fine grained and very productive. Unexcelled.

GREEN MOUNTAIN—A heavy yielding white potato. It is strictly a late, main crop variety and adapted to almost any part of the country. The shape is desirable and quality of the best. Always commands the top of the market. Keeping qualities unexcelled.

For many years we quoted Potatoes in barrel lots of 165 pounds each.

On request we shall continue to quote in this quantity.

We can make up these barrel lots to contain in desired proportions any number of varieties customers may select.

A slight advance will be charged on broken lots to cover cost and time in packing.

FOR BUGS; PARIS GREEN is effective, but should be applied with caution. For small gardens SLUG SHOT may be used.

The yield may be increased by spraying at least twice during the season with BORDEAUX MIXTURE, thus preventing blight and increasing the growth of vines.



BLISS' TRIUMPH

STANDARD EARLIEST VARIETY—Tubers nearly round, reddish pink in color. Our Triumphs are all Red River grown, absolutely unexcelled in quality, either certified or non-certified as desired.

Clean, pure stock, uniform and desirable, and behind which we can put our guarantee.

EARLY ROSE—We offer choice stock of this variety, which is too well known to require extended description. Not so early as Early Ohio, but usually yields more.

RURAL NEW YORK NO. 2—Unexcelled as mid-season and main crop potato. Very large, unusually smooth, shallow eyes, and oblong in shape. A large cropper and a decided favorite with many discriminating growers.

CARMEN NO. 3—Productive, uniform in size and shape, skin and flesh white, eyes few and shallow. A heavy yielder, bearing its tubers close to the plant. A favorite late variety.

CHICAGO MARKET—A well-known, heavy-yielding variety, smooth and desirable shape. Medium early, good quality.



EARLY OHIO

Our seed of Early Ohio is of the best Red River stock, personally selected at digging time, when we are able to secure the choice of the crop. Our Ohio's this year are of the highest grade, absolutely pure and select.

CERTIFIED OHIOS

Always in stock at usual market difference. Will quote both certified and uncertified seed.

"MIAMI" LAWN GRASS SEED

The selection of grasses for producing a fine lawn can not be given too much care. "Miami" Lawn Seed is composed of Kentucky Blue Grass, Red Top and such other fine grasses, both domestic and imported, in a combination that will form a permanent lawn in the shortest possible time. After study and experiment we believe we have in this mixture the best selection of seed and that unless in thick shade, it will under proper conditions produce a smooth, velvety turf.

Price: lb., 35c; 5 lbs., \$1.60; 10 lbs., \$3.00.

TO PRODUCE A NEW LAWN three elements must be considered; first, the soil which should be rich, well drained and carefully prepared by making it as fine and smooth as possible; second, seed, which should be pure and contain the different grasses mixed in proper proportions; and third, time of seeding, which should be so arranged as to give the young grass a chance to become established before being exposed to extremes of drouth, heat or cold.

Grass should be cut when $1\frac{1}{2}$ to $2\frac{1}{2}$ inches high and should be kept short; if not, it will fail to tiller and to form a carpet of surface leaves. One pound of seed will sow 225 square feet (15x15) of new lawn or 90 to 100 pounds to the acre.

FOR RENOVATING OLD LAWNS; the quantity required depends upon the thickness of the stand of grass, but usually demands one-third to one-half the amount used for a new lawn. After lawn is established it is a good plan to scarify with a sharp toothed rake and reseed lightly. Grass needs food as well as other plants and to preserve a lawn Pulverized Sheep Manure should be applied annually at the beginning of the growing season using at the rate of 500 pounds per acre.

"SHADY PLACE" LAWN GRASS—In nearly every lawn may be found spots so densely shaded that a special mixture of shade growing grasses is required. Often these spots are covered with moss which should be removed by using a sharp-toothed rake and then treat liberally with lime to sweeten the soil. Rake into the soil carefully and then sow the shade lawn seed at the rate of one pound to 200 square feet. 1 lbs., 45c; 3 lbs., \$1.25; 5 lbs., \$2.00.

GRASS SEEDS

SPECIAL GRASS SEED MIXTURES for all purposes and all soils. Can supply highest quality of seeds in correct mixtures for Terraces, Hill Sides and Golf Courses, Tennis Courts, Cemeteries, Parks and Athletic Fields. Solicit an opportunity to furnish an estimate on any mixture that may be required.

Prices quoted on Grass Seeds are for BEST QUALITIES AND REPRESENT VALUES AT TIME THIS CATALOGUE WAS ISSUED. They are subject to change with market fluctuations, and we will cheerfully quote market price at any time.

If Grass Seeds are to be shipped by mail, Postage prepaid, add 5c per pound to above prices.

PLANT FOODS

VIGOR, PULVERIZED SHEEP MANURE, NITRATE OF SODA, LAWN LIME

See Inside Page, Back Cover

RED TOP—A perennial growing 1 to 2 ft. high. Valuable for hay mixtures or permanent pasture. Suited to low, wet Meadows. Sow fall or spring, 1 to 2 bu., unhulled seed, 8 to 10 lbs., solid seed, per acre.

FANCY SOLID SEED (free from chaff)—Per lb., 25c; 10 lbs., 20c per lb.; 100 lbs., \$15.00. Bags 25c each extra.

UNHULLED SEED—Per lb., 25c; bu. (14 lbs.), \$1.75. Bags, 25c each extra.

KENTUCKY BLUE GRASS—For full stand sow at rate of 3 bushel per acre.

The chief ingredient in all standard lawn mixtures. For lawn purpose often used with white clover mixed at the rate of nine pounds Blue Grass to one pound clover seed.

FANCY PURE SEED—Per lb., 30c; bu., (14 lbs.), \$2.80; 8 bu. (bag) or more \$2.60 per bu. Bags included.

MEADOW FESCUE—Celebrated English Blue Grass. Sown alone requires 1 bu. seed per acre. Per lb., 25c; per bu. (24 lbs.), \$2.90; 5 bu. or over, \$2.00 per bu. Bags included.

TIMOTHY—Ask for samples. Sow spring or fall using for full stand $\frac{1}{2}$ bu., per acre. When mixing with clover, amount depends on percentage Timothy desired in hay or pasture. MARKET PRICE.

ORCHARD GRASS—Grows 2 to 3 feet tall and ripens three weeks earlier than Timothy. Extremely hardy, thriving almost on any soil and in sun or shade. $1\frac{1}{2}$ to 2 bu. required to acre if sown alone.

PRICE, BEST EXPORT GRADE—Lb., 25c; bu. (14 lbs.), \$2.00; 8 bu. (bag) or over. \$1.80 per bu. Bags included.

PERENNIAL RYE GRASS—IMPORTED ENGLISH BLUE GRASS. Grows quickly and tillers out close to the ground, making a superior permanent pasture. Especially desirable in mixture, either pasture or lawn. Sow $1\frac{1}{2}$ bu. seed per acre. Price—Per lb., 30c; per bu. (24 lbs.), \$3.50.

ITALIAN RYE GRASS—Valuable for mixture or for quick hay crop. As it dies out the second season it is especially adapted for use as a nurse crop with Bent or other Lawn Grasses. Per lb., 25c; 10 lbs., \$1.50; 25 lbs., \$3.50.

PACEY'S IMPROVED SHORT RYE GRASS—Price: Per lb., 25c; per bu. (24 lbs.), \$3.50. Bags included.

ROUGH STALKED MEADOW GRASS (*Poa Trivialis*)—Forms a fine sod under trees and in shady lawns. Will grow where few other grasses can exist. 1 lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.50. Ask for price on large quantities.

CLOVERS

There is a demand for clover seeds that is almost universal. We specialize in clover and grass seeds and invite inquiries for information relative to their use. ASK FOR SAMPLES, stating kind and amount desired. We guarantee all seed sold by sample to be of equal quality with samples. If not, it may be returned at our expense.

RED CLOVER, MEDIUM—This is the "Common" Red Clover of almost universal use. No other seed consumed on the farm receives or deserves as careful selection as clover seed. Accordingly we give this item of our business closest attention and are constantly buying and re-cleaning the best seed obtainable. We are situated in one of the chief producing sections and guarantee our seed to be free from adulteration or noxious weed seeds. Complete analysis with each shipment, and we invite purchasers to verify our figures by submitting samples to either State or U. S. Laboratories.

STATE QUANTITY AND QUALITY DESIRED AND ASK FOR CURRENT PRICES.

RED CLOVER, MAMMOTH—Known also as Sapling or English Clover. Not so valuable for hay as the medium variety, but preferable for use in restoring fertility to worn-out soils.

ASK FOR SAMPLES AND CURRENT PRICES.

ALSIKE OR SWEDISH CLOVER—This plant is smaller than the Medium Red Clover, making a fine hay of excellent feeding value. Often grown alone, yet it is largely used as a mixture with other clover or with Timothy in wet meadows. It does not freeze out and thrives on land too wet or marshy for the Red Clovers. Sow at rate of one bushel seed to eleven acres.

ASK FOR SAMPLES AND CURRENT PRICES.

WHITE CLOVER—Its creeping stems and rapid growth make White Clover desirable in lawn mixtures. Also valuable in permanent pastures. Very hardy and spreads rapidly. One lb., 60c; by mail, 70c; 5 lbs. or over 50c per lb.

CRIMSON CLOVER—An annual growing 18 inches to 3 feet high and valuable especially for fertilizing purposes. Widely used in Eastern States and south of the Ohio River. Probably the most valuable plant to plow under for green manure. Grows on almost any soil. Sown in fall at rate of 15 pounds per acre.

Fancy Seed: Per lb., 25c; 5 lbs., \$1.00; by mail, postpaid. Ask for prices on larger quantities.

BOKHARA OR SWEET CLOVER

Farmers throughout the country are coming more generally to recognize the value of Bokhara Clover, which is doing more than any other plant to prevent soil erosion and reclaim waste and impoverished land. Experienced growers use same methods as in seeding Alfalfa, applying 10 to 15 pounds to the acre. All soils look alike to Sweet Clover, as it thrives equally well on barren hillside or on fertile bottom land. It matures early and may be cut for hay two or three times in a season.

Two types of biennial sweet clover are grown, distinguished by the color of the flower and known as **WHITE BLOSSOMED** (*Melilotus Alba*) and **YELLOW BLOSSOMED** (*Melilotus Officinalis*). Neither of them bloom the first year after sowing and both produce seed the second year, reseeding themselves if not cut before seed ripens.

The white flowered variety grows five to six feet high, while the yellow is not so tall and ripens two to three weeks earlier than the white.

A dwarf strain of the white flowered has been developed, of bushy habit and as early as the yellow. This is known as **GRUNDY COUNTY WHITE** and is favored by many growers.

Unhulled seed may be sown in the fall but for spring sowing seed should be hulled and scarified to hasten germination.



Sweet Clover Seed moves in large volumes and prices are regularly quoted fluctuating with the supply and demand. As a rule the price of the Yellow Blossomed variety is slightly higher than that of the White. Grundy County is usually sold at a price slightly above that of the large white. When asking for prices kindly state variety desired. Sweet Clover Seed is a specialty and we can give you the fine, golden yellow seed from Minnesota and North Dakota. LET US MAIL YOU SAMPLES. Analysis given with all quotations. WILL MAIL YOU 1 LB. ANY VARIETY FOR 30c OR 5 LBS. FOR \$1.25 POSTPAID. We know about Sweet Clover and assure prompt reply to all inquiries in reference to the use of the seed or production and care of the crop.

OPEN ORDERS ENTRUSTED TO US WILL BE FILLED AT MARKET PRICE ON DAY RECEIVED.

HUBAM—Annual Type White Blossom Sweet Clover. Makes a dense growth 4 to 6 feet high, and useful either for hay or plowing under. Use 10 to 12 pounds seed to acre, sowing in spring with grains. If desired crop of hay may be harvested after the grain is cut.

1 lb., 35c; 5 lbs., \$1.25; by mail postpaid. On larger quantities prices quoted on request.



ALFALFA

Alfalfa is successfully grown in almost every part of the United States and is the most productive and the hardiest of clovers. It produces under ordinary cultural conditions 4 to 8 tons hay per acre annually from three to four cuttings. The hay has a higher feeding value than Timothy and is of itself almost a balanced ration. It will thrive best in permeable, loamy soils, but will give a good account of itself even in stiff clay soils if well under drained. Lime need not be added to soils that are alkaline or where limestone is present. Many failures in raising Alfalfa, however, occur because of neglect to supply the needed lime. The use of ground limestone is preferred and it should be applied at the rate of two to four tons per acre. Hydrated Lime at the rate of two tons per acre is advisable where the crushed rock cannot be obtained.

INOCULATION IN SOME FORM IS USUALLY PROFITABLE, especially on the first crop. This may be provided in the form of soil from land producing Alfalfa or in the form of commercial inoculation. Land re-seeded will usually be found to contain enough bacteria to justify dispensing with the use of inoculation.

Alfalfa may be sown as early in spring as ground can be prepared, but many growers prefer sowing at a later date. If sown early, a nurse crop should be provided, and for this would prefer Beardless Spring Barley or Winter Rye. After June first Alfalfa may safely be sown without a nurse crop. Care, however, must be exercised that the land intended for seeding is free of weeds. Even north of the Ohio River good results are attained by sowing as late as August or even early September, but this late sown Alfalfa is more susceptible to winter killing. TWENTY POUNDS SEED TO THE ACRE IS THE AMOUNT USUALLY SOWN, although amount to be used varies somewhat with conditions. Ground should be well prepared and seed covered to a depth of one-half inch to one inch.

WHILE THE QUALITY OF ALFALFA SEED IS IMPORTANT THE ORIGIN OF THE SEED IS STILL MORE IMPORTANT. Alfalfa grown from Northern grown seed is hardier and better withstands adverse conditions. Of late years experienced growers have shown a preference for seed grown in Utah or Idaho on non-irrigated land.

WE OFFER ONLY HIGH QUALITY SEED, AND SAMPLES AND QUOTATIONS WHEREVER POSSIBLE INDICATE ITS ORIGIN. All quotations accompanied by samples. PRICES FOR THE BEST NORTH-WESTERN SEED BY PARCEL POST, PREPAID: Lb., 40c; ½ peck, \$2.50. Ask for current prices on larger quantities. FOR DESCRIPTION AND PRICES OF INOCULATION SEE OUTSIDE BACK COVER.



Regardless of the increased cost some experienced growers demand seed of special strains of Alfalfa. The following varieties are especially in demand.

GRIMM'S, COSSACK AND CANADIAN VARIEGATED

All well known hardy strains, characterized by wide-spreading root systems and variegated flowers. On account of the spreading habit of the plant a good stand may usually be obtained by the use of TWELVE TO FIFTEEN POUNDS OF SEED TO THE ACRE. Canadian Variegated is of Grimm type and seed is lower in price. BY MAIL, ONE POUND ANY VARIETY, 40c; 10 lbs., \$3.00. Ask for prices on larger quantities. All these special strains certified and in sealed bags.

EIKENBERRY'S CLOVER AND GRASS SEED MIXTURES FOR MEADOWS AND PERMANENT PASTURES

CLOVER AND GRASS SEED MIXTURES

The mixture of grasses or grasses and clovers for hay and pasture purposes is a common and profitable practice. Two grasses grown together usually produce higher yields than either grown singly. A mixture of a greater number than two often still further enhances the yield.

We prepare for customers each year special mixtures of grass and clover seeds.

NATURAL MIXTURES are often produced; most usually of Timothy and Alsike. These mixtures show good quality and frequently can be supplied at prices considerably below cost of buying ingredients separately. Shall be pleased to mail samples on request with analysis and prices.

ON EQUAL QUANTITY GRASS AND CLOVER SEEDS WE MEET ANY RELIABLE COMPETITION.

SPECIAL MIXTURES FOR
PLAY GROUNDS,
GOLF COURSES, PARKS AND
ATHLETIC FIELDS

FOR LAWN MIXTURES SEE
PAGE 21

SEED SOWERS AND
FERTILIZERS
INSIDE BACK COVER

We request information as to kind of soil for which mixture is desired and purpose for which crop is intended, whether hay, pasture or fertilizer. If desired, will furnish estimated cost per acre for suitable mixture. The prices are same as for equal amounts seed required, as we make no extra charge for mixing.

We solicit correspondence and an opportunity to figure on your requirements.

These mixtures show good quality and frequently can be supplied at prices considerably below cost of buying ingredients separately. Shall be pleased to mail samples on request with analysis and prices.

FORAGE, SILO AND FEED GRAIN SEEDS

MILLETS

Valuable as a catch crop or to supplement a short hay crop. May be cut in ten weeks after sowing. For hay, sow 50 pounds of seed per acre; for seed, half this amount is sufficient, thinner sowing allowing better development of the heads.

GOLDEN OR GERMAN—True Southern grown seed. Grows rank on good soil, attaining a height of 4 to 5 feet and yielding three to four tons hay to acre. For hay, should be cut when in full bloom and before seeds begin to ripen. Price, lb., 10c; 3 lbs., 25c. Ask for prices on larger quantities.

COMMON OR WESTERN—Preferred by some growers, as hay is not so coarse. Two weeks earlier than German. Price: lb., 10c; 3 lbs., 25c. Ask for prices on larger quantities.

HUNGARIAN GRASS—A variety of Millet in high favor for summer hay or forage. May be sown in June as a second crop and is ready to cut in sixty days. Makes fine hay. Price: lb., 10c; 3 lbs., 25c. Ask for prices on larger quantities.

JAPANESE OR BARNYARD MILLET—Grows 6 to 8 feet high, makes enormous yield. Sow 10 to 12 pounds seed per acre, latter half of May. Price: 1 lb., 10c; 10 lbs., 90c; 50 lbs., \$3.50.

MANITOBA OR HOG MILLET—Large seed, valuable for feeding poultry. Price: lb., 10c; 10 lbs., 50c; 50 lbs., \$2.00. Bags included.

WHITE WONDER—Grown extensively throughout the West on account of its earliness. Grows a large head similar to the German Millet and the stalk carries a thick foliage of broad leaves. Produces a heavy tonnage of desirable forage which matures early, while conditions are favorable for curing. One lb. 10c; 3 lbs., 25c. Ask for prices on larger quantities.

HEMP SEED

Sow $\frac{3}{4}$ to 1 bushel per acre.

Price: lb., 15c; 3 lbs., 35c. Ask for prices on larger quantities.

SUDAN GRASS

A tall growing grass of Egyptian origin especially adapted to culture on dry land. At the same time it thrives where moisture is abundant, and will yield a larger tonnage of hay than any other known forage plant. After first cutting it recovers quickly, stooling and increasing the yield of the second crop, which may usually be harvested within thirty days.

Sudan Grass, if cultivated, grows 6 to 9 feet high; broadcast 4 to 5 feet. It resembles Johnson Grass in appearance, but is an annual which is entirely destroyed by the winter. Sown from March to July. If in rows, at rate 4 to 5 lbs. per acre; broadcast, 10 to 12 lbs.

Our seed is of pure origin, free from admixture with either Sorghum or Johnson Grass. Price: Lb., 10c; 5 lbs., 35c; 10 lbs. or over, 6c per lb.

DWARF ESSEX RAPE

Most Economical Pasture for Hogs and Sheep. Easily Grown.

Dwarf Essex Is the Only Good Rape Grown. Our Seed is Genuine Northern Europe Product.

Dwarf Essex Rape is usually sown broadcast, but may be sown in drills $3\frac{1}{2}$ feet apart. The ground should be prepared as for turnips, and seed sown at any time from May to September.

In six weeks after sowing, stock may be turned on and thus have the benefit of green pasture through the season when green pasture may be needed. Besides sowing it as a crop by itself, it may be sown (1) along with oats, providing a sheep and hog pasture after harvest; (2) along with peas, oats or corn, sown broadcast to provide pasturage; (3) along with rye, sown in August for late pasturage, or (4) in corn, sowing the seed broadcast after the last cultivation is given the corn. Rape is particularly adapted as a catch crop, and like the turnip, it grows better late than earlier in the season.

Sown broadcast, use 5 to 7 pounds of seed to acre; in drills, 2 to 3 pounds per acre.

Price—Lb., 15c; 10 lbs. or more 12c per lb.; 50 lbs. or more, 10c per lb.; 100 lbs., \$9.00. Sacks free.

If seeds listed on this page are desired sent by mail prepaid, postage must be included. See Parcel Post, Page 1.

SORGHUM OR CANE

For forage about 60 pounds per acre; when sown in drills use $\frac{1}{4}$ bu. per acre.

Price, either variety: lb., 10c; 3 lbs., 25c; 1 bu. (50 lbs.), \$2.00; 5 bu. or over, \$1.85 per bu. Bags 25c each extra. Price fluctuates. Ask for special prices on large quantities.

EARLY AMBER—Usually preferred for cultivation in the Northern States. It is unsurpassed by any sugar cane for green fodder or for seed. Makes finest quality of syrup.

EARLY ORANGE—Not so tall as amber cane, but with heavier stalk. A favorite Southern variety and yields an abundance of syrup.

NON-SACCHARINE SORGHUMS

KAFFIR CORN—Extensively cultivated in the West for both fodder and grain. Makes enormous yields of grain which is largely used for poultry and stock feeding. Can supply both RED and WHITE varieties. Price: lb., 10c; 3 lbs., 25c. Current prices larger quantities.

WHITE OR YELLOW MILO MAIZE—Sure dry-weather forage crop. Somewhat similar to Kaffir Corn and should have same cultivation. Price: lb., 10c; 3 lbs., 25c; 1 bu. (50 lbs.), \$2.00; 5 or more bu., \$1.75 per bu. Bags included.

FETERITA—Similar to White Milo Maize, growing about 5 feet tall. Yields in excess of Milo or Kaffir Corn. Great drought resister. Price: lb., 10c; 3 lbs., 25c; 1 bu. (50 lbs.), \$2.00.

BROOM CORN

IMPROVED EVERGREEN—Tall; brush, bright pea green, good length and fine quality; early and heavy yielder. Price: lb., 25c; 3 lbs., 50c. Ask for prices on larger quantities.

SOY BEANS

CONSIDER THE FOLLOWING FACTS

The Soy Bean contains about 35% of protein and has to exceed twice the feeding value of bran.

Soy Beans will grow wherever corn can be produced.

They are easy to grow and harvest and resist either drought or excessive rainfall.

The Soy Bean is a soil improver and never fails to increase the yield of the following crop.

CULTURE—The production and use of Soy Beans has become so general throughout the Central Corn Belt that it is unnecessary to give extended cultural directions. When sown for hay or seed, the best practice is to sow 3 to 4 inches apart in drills 24 to 30 inches apart, thus allowing cultivation.

USE—There are few crops so diversified in their use or manner of culture. Early the culture was largely for hay or silage, but during the past few years the culture of Soy Beans for ripened seed has become a considerable industry in the states north of the Ohio River, while throughout the hog-raising sections it has become an established practice to sow them with corn on the acreage intended for hogging-off.

SEED—For use in drills for seed or hay use 20 to 35 pounds; if broadcast, double this amount. In combination with corn for silage the mixture should consist of one-fourth to one-third beans, while for hogging-off from 4 to 6 pounds per acre, this proportion supplying the proper balance in the ration.

VARIETIES—For **SILAGE** the **WILSON BLACK**, **MIDWEST** and **VIRGINIA BROWN** are to be recommended.

FOR HAY—The same varieties, except when a large tonnage is desired **MAMMOTH YELLOW** may be used. This variety is especially adapted to plowing under for green manure.

FOR HOGGING-OFF with corn we recommend in the order named, **Manchu**, **Midwest**, **Dunfield** and **Ito San**.

ITO SAN—One of the old varieties maintaining a leading place in Soy Bean culture. Plant erect or bush habit. Bean yellow and rather less than average size.

MIDWEST—Probably more extensively cultivated than any other Soy Bean. Bushy growth and prolific bearer. Seed light-yellow color. Medium early.

MANCHU—Not so tall as Ito San, but of bushy habit and highly prolific. Yellow seed of medium size.

DUNFIELD—A general purpose yellow bean, especially valuable for seed growing as pods do not shatter and can be left in field until ripe and dry.



WILSON BLACK—The leading variety for hay or silage. Height about three feet and matures in 115 days.

VIRGINIA BROWN—On account of abundant growth and heavy seed production one of the best varieties for hay and silage.

MAMMOTH YELLOW—Grows rank and tall. Will not mature seed north of the Ohio River. Beans large, yellow.

PRICE—1 lb., any variety, 10c; 3 lbs., 25c. Ask for current prices on quantities stating amount and variety desired.

INOCULATE WITH NODOGEN

1 bu. size 40c; 2 bu. size 60c; 5 bu. size \$1.25.

Complete Directions on each package.

COW PEAS

Ask for prices on Whipporwill, New Era and other leading varieties.

CANADA FIELD PEAS

If sown alone, use 2 bushels per acre; if with oats, 1½ bushels peas and 1 bushel oats per acre. 1 lb., 10c; 3 lbs., 25c. Ask for prices on larger quantities.

VETCHES

SAND OR HAIRY (*Vicia Villosa*)—Sown in fall at rate of 90 pounds per acre. Extremely hardy, growing 3 to 4 feet high. 1 lb., 20c; 4 lbs., 65c.

SPRING TARES (*Vicia Sativa*)—Sometimes mixed with oats for soiling. Use 90 pounds per acre. 1 lb., 20c; 3 lbs., 50c. Ask for current prices on larger amounts.

SEED BUCKWHEAT

Prices subject to market change. Bags, 25c each extra.

SILVER HULL—Earlier and more nutritious than common sort. Grain light gray color. Pound, 20c; Peck, 60c; bu., \$2.25.

JAPANESE—Large kernels and heavier yields than any other variety. Color a rich brown. A week earlier than Silver Hull. Pound, 20c; Peck, 50c; bu., \$2.00.



SEED CORN

All seed corn offered by us is produced especially for seed under the most favorable conditions by experienced growers. Ten days after arrival will be allowed for testing and if purchaser is not satisfied, seed may be returned at our expense and money will be refunded. All early orders shipped by March 15th; orders after that date, without delay.

1 lb. Shelled corn any variety, 15c; 4 lbs., 50c; by mail, postpaid. One-half peck at peck prices; one-half bushel at bushel prices. Prices quoted include the cost of bags.

REID'S YELLOW DENT—Glossy yellow, with deep grains that grow closely on a small cob in straight, well-defined rows. Ears medium to large size, symmetrical shape. A heavy yielder and high in feeding value. Makes a quick, strong growth and matures in 100 to 110 days. Stalk, medium height, with ample foliage for silo if desired. This corn is well bred, producing uniformly well-filled ears of almost perfect shape. Has won more prizes than any other yellow corn.

Peck, 80c; bu., \$2.50; 2 or more bu., \$2.25 per bu.; 10 bu., \$20.00.

WOODBURN YELLOW DENT—A strong, vigorous variety of corn that is being grown extensively in Central and Southern Ohio. The ears are cylindrical, large and well filled with deep grains. Ripens in about the same time as Reid's and in field trials is credited with very satisfactory yields. A well bred variety growing true to type both in stalk and ear.

Peck, 70c; bu., \$2.25; 2 or more bu., \$2.00 per bushel.

WHITE CAP EARLY YELLOW DENT—Ears, medium size, handsome and well filled. Grains white on tip ends, inside amber yellow. Husks and shells easily. Stalks grow strong and full of foliage.

Peck, 70c; bu., \$2.25; 2 or more bu., \$2.00 per bu.; 5 bu. or more, \$1.80 per bushel.

PRIDE OF THE NORTH—Probably the best Dent Corn for general cultivation in the North. An old standard 90-day yellow Dent variety. Large grains, closely set, bright yellow with red cob. Solid ears frequently shelling 60 to 62 pounds shelled corn from 70 pounds ears.

Peck, 70c; bu., \$2.25; 2 or more bu., \$2.00 per bushel.

MURDOCK YELLOW DENT (Wisconsin No. 13)—Of the different varieties grown in the Northern zone of corn producing states, we believe Early Murdock to be best adapted for culture in the central part of the corn belt. It will produce ears from 8 to 9 inches long on a short, heavy, leafy stalk. Ears hard, solid and of deep yellow color. Matures in 90 to 100 days.

Peck, 70c; bu., \$2.25; 2 or more bu., \$2.00 per bushel.

HICKORY KING—A glazed white corn with small cob and extremely broad grains. Ears 7 to 8 inches long, 8-rowed and borne two or three to a stalk. An old, well known corn of fine quality.

Peck, 60c; bu., \$2.00.

SWEET CORN FOR FODDER—Desirable on the dairy farm. Large growing kinds in quantities of 15 lbs. or less, 20c per lb.; over 15 lbs., 15c per lb.

Let us have your inquiries on other standard varieties of corn not listed. Have arrangements with reputable growers by which we can meet your needs.

IMPROVED LEAMING

IMPROVED LEAMING—Leaming corn is too well known to require an extended description. A solid ear, bearing large, deep grains of golden yellow color, compactly set on a small red cob. Stalk, leafy, stout and of medium height, very frequently bearing two ears. There is always a strong demand for Leaming seed corn.

Peck, 80c; bu., \$2.50; 2 or more bu., \$2.25 per bu.; 10 bu., \$20.00.

YELLOW CLARAGE—A medium early variety if grown in Central and Northern Ohio, where it is extensively cultivated. It produces a cylindrical, heavy ear of medium length filled with broad grains. A reliable producer.

Peck, 60c; bu., \$1.90; 2 or more bu., \$1.75 per bushel.

JOHNSON COUNTY WHITE—Has won nine-tenths of all the prizes at the National Exposition. The ears are cylindrical in shape within two inches of the tip, then slightly tapering; average length about ten inches in length, 7½ inches circumference. Grain pure white on a white cob, deep wedge-shape and high in protein. Shelling tests show 88 per cent shelled corn. Tips of ears well filled, butts rounded and filled down to medium-size shank. Strong, vigorous grower, rooting down well, withstanding heat and drought. Matures in 110 days, and often yields 100 to 125 bushels per acre.

Peck, 90c; bu., \$3.00; 5 bu., \$2.75 per bushel.

ENSILAGE CORNS

The silo has become such an essential part of modern farm equipment that the corn with which to fill it deserves careful consideration. In economizing on acreage by producing the maximum tonnage without sacrificing quality of ensilage we recommend two varieties of corn as desirable.

EUREKA ENSILAGE—A tall, leafy corn, growing from 12 to 15 feet high, with enormous growth of foliage. It bears at least two ears to the stalk, maintaining the quality of the heavy quantity it produces. Especially recommended for fertile soils.

Peck, 70c; bu., \$2.25; 5 or more bu., \$2.00 per bushel.

RED COB WHITE ENSILAGE—A pure white corn that will yield as much as 45 tons green fodder to the acre. It is sweet and succulent, high in nourishment. Stalks are large and leafy and sucker freely with abundant foliage.

Peck, 60c; bu., \$2.00; 5 bu. or more, \$1.90 per bushel.

TREAT SEED CORN WITH SEMESAN, JR.

We strongly recommend that Seed Corn be treated with Semesan, Jr. before planting. The expense is so slight and it is so easily applied that it is good business judgment to use this preparation.

For description and cost see back cover of catalogue.

FERTILIZER

Any grade or analysis for Corn, Tobacco and Truck Crops always in Stock at competitive prices.

SEED OATS

Experience has demonstrated that in this latitude oats grown from year to year deteriorate, both in quality and vigor. To attain best results it is necessary to renew seed oats at least once in every three years, and this should be done by discarding home-grown seed and substituting good, vigorous, Northern-grown grain. We draw our seed supply each season from the North and Northwest, and results have confirmed the truth of the above statement. As usual, we shall have to offer an ample supply of superior Northern-grown seed oats of different leading varieties.

NEVER BUY SEED OATS WITHOUT FIRST SEEING SAMPLE. Ours are free. Prices for over five bushels quoted on application. All prices include cost of bags.

SWEDISH SELECT—Of comparatively recent introduction, Swedish Select has become one of the leading varieties grown in this country. Vigorous growers, both in stock and root, they do not lodge easily, and are not so liable as other varieties to rust or smut. They are pure white in color, grain very plump, short and thick, with a thin hull. They are medium early in season heavy in weight and heavy yielders. In a test extending over four years, Prof. Moore, of the Wisconsin Experiment Station, found them the most satisfactory of thirty-six varieties.

Our splendid stock of seed is all Northern grown, vigorous and thoroughly cleaned. Send for sample. Peck, 25c; bu., 80c; 2 to 5 bu., 75c per bu. Ask for prices on larger quantities.

SILVER MINE—A popular and widely grown variety of oats, considered by many good farmers the best oats in cultivation. They are very heavy yielders, and yield is what counts. The straw is of medium length, strong and does not lodge easily; grain plump, rather long and heavy in weight. Our stock is extra fine.

Price—Peck, 25c; bu., 80c; 2 to 5 bu., 75c per bu. Ask for prices on larger quantities.

IOWA 103—A new production bred by Prof. L. C. Burnett, Agronomist at the Iowa Agricultural College, and now the most popular variety of oats in that state. It is an early oat and while the grain is not large, it is plump and heavy with a



thin hull. Straw is strong and resists lodging even on strongest soils. This is a superior oat, as yields always exceed expectations. Known also as "White Kherson". Price: Peck, 25c; bu., 80c; 2 to 5 bu., 75c per bu. Ask for prices on larger quantities.

BIG FOUR—Almost a standard variety of oats. One of their chief characteristics is the stiffness of the straw, and they always stand up well. The grain is rather long, pointed, heavy in weight and high in feeding value. They are pure white, large grain and heavy yielders. We have a stock of fine seed, as our samples will prove.

Price: Peck, 25c; bu., 80c; 2 to 5 bu., 75c per bu. Ask for prices on larger quantities.

BURT OR NINETY DAY—Recommended where a quick crop of oats is desired. Sown extensively in the South and Southeast both for hay and grain. Grows vigorously and makes a good yield of grain.

Price: Peck, 35c; bu., \$1.00; 2 to 5 bu., 90c per bushel. Ask for prices on larger quantities.

FULGHUM AND SIBERIAN OATS—Ask for prices.

Can supply in any quantity desired at all seasons **HIGH-GRADE, RECLEANED, WESTERN WHITE OATS**, suitable either for feeds or seed. Market prices govern. Ask for sample.

SPRING BARLEY

ODERBRUCKER—Wisconsin pedigree. A 6-row Bearded Barley, vigorous and prolific. A profitable feed crop and may also be used as a nurse crop for alfalfa. Ask for samples and prices.

FLAX SEED

High-grade, recleaned, for seed or medical purposes. Lb., 15c; 3 lbs., 35c; peck, \$1.00; bu., \$3.50. Bags 25c each extra.

SPRING RYE

Spring Rye is a valuable catch crop and its culture is often profitable north of the latitude of the Ohio River. Would especially call attention to its value as a nurse crop for Alfalfa. Ask for samples and prices.

TREAT SEED OATS and SEED BARLEY WITH CERESAN, the perfect smut and scab control.

WINTER RYE

Always in stock, **RECLEANED, PURE WINTER RYE** suitable for seeding purposes. Ask for samples and prices.

WINTER WHEAT

Located in a section producing a superior grade of Winter Wheat, we annually handle considerable quantities for seed purposes. Can always supply Trumbull, Fulhio and Michigan Amber carefully recleaned and graded and solicit inquiries.

RUSSIAN SUNFLOWER

Immensely productive and easily grown. A cheap and superior feed for poultry. Four quarts to acre. $\frac{1}{4}$ lb., 10c; lb., 20c; 5 to 25 lbs., 10c per lb.; 25 lbs. or more, 9c per lb.; 100 lbs., \$7.00.

STOCK FEEDS

DIGESTER TANKAGE

60% Protein

There is no hog feed containing a higher percentage of protein and bone ash, and none so free from waste. Neither do we know where these ingredients can be bought so cheaply as in Digester Tankage. Compare your protein cost in this with the following common hog feeds. One ton corn contains 200 pounds; middlings, 300 pounds; oil meal, 660 pounds.

Swift's Digester Tankage is guaranteed to contain 1,200 lbs., protein to every ton. No one growing or fattening hogs should be without an ample supply of this feed on hand.

Market Price.

Special price on large quantities.



BLATCHFORD'S CALF MEAL

(The Perfect Milk Substitute)

Solves the calf problem, enabling milk producers to sell their milk, rear their calves on this feed, and make a profit in the operation. One pound of this meal thoroughly mixed with warm water or separator milk is equivalent in feeding value to one gallon whole milk, while it can be secured for less than one-third the cost.

This is not an experiment, but the fact is well proven that calves taken from the cow and placed on this ration thrive equally as well as those raised on milk.

Blatchford's is the original and we have found none other quite so satisfactory. 25-lb. bag, \$1.10; 50-lb. bag, \$2.00; 100-lb. bag, \$3.90. Ask for prices on larger quantities.

STRAIGHT OR MIXED FEEDS

Every well-regulated feed business now has facilities for mixing feeds to order. We not only carry a full stock of the necessary ingredients, but also are equipped to produce dry feeds complying with any formula desired. We assure the use of pure, sweet and fresh ingredients and solicit trade of this character.

We also call attention to the large number of ready-mixed feeds on the market. Many of these feeds represent the results of scientific study and wide experiment. It is not possible to offer all the good mixed feeds that are made, but we meet the demand of our trade with a complete line of Dry and Molasses Dairy Feeds, Dry and Molasses Horse Feeds. We invite inquiry and take pleasure in submitting information in reference to feed for any purpose with any kind of livestock.

Alfalfa Meal
Linseed Oil Meal
Cotton Seed Meal
Corn Feed Meal
Gluten Feed
Fine Ground Whole Oats
Fine Ground Barley
Wheat Bran
Wheat Middlings

Meat Scraps (50%)
Hexite Dairy Feed
Globe Dairy Balancer (32%)
Globe's Dairy Feed (24%)
Schumacher Sugared Feed
S. B. Horse and Mule Feed
Globe Hog Feed
Globe Hog Balancer (28%)
White Hominy Feed

SEMI-SOLID BUTTERMILK

Creamery buttermilk condensed to a thick, semi-solid paste. In this form it has the highest feeding and medicinal value.

It is fed with equally profitable results to pigs, poultry and sheep. Its health-giving and health-preserving qualities are recognized. The use of Semi-Solid Buttermilk promotes the production of good hogs economically and with the least risk of loss from disease. Diluted at the rate of one gallon of Buttermilk to forty gallons of water, the cost is less than 1c a gallon.

May be used with success in feeding poultry and at any age from hatching up to and including the laying hens. The Kentucky Experiment Station found that the use of Semi-Solid Buttermilk increased egg production by 40%.

We recommend careful consideration of the use of Semi-Solid Buttermilk and request a chance to supply feeders a booklet containing full description and feeding direction.

It is put up in sizes indicated, and we sell it from warehouse in single packages as follows:

450-lb. barrel, 3c lb.; 250-lb. barrel, 3½c lb.; 140-lb. keg, 4c lb.; 5-gal. pails, \$3.00 each; 1-gal. cans, 80c each.

Special Prices on Larger Quantities

POULTRY FEEDS

Careful and competent attention is given our feed department. We not only carry carefully selected makes of Poultry Feeds, but manufacture under our own brands, feeds that have an extensive use in this territory.

We are not quoting prices on feeds, as constant market fluctuations destroy the value of catalogue quotations. Prices in any quantity quoted on application. On mixed orders aggregating one thousand pounds or more in 100-pound bags, ton prices will apply. All feed prices include cost of bags.

THIS IS AN OPPORTUNITY TO SECURE QUALITY FEEDS AT DELIVERED PRICES

— We Invite Correspondence —

STARTING FEEDS

Mashes—

Conkey's Buttermilk Starting Feed

(See page 30)

Grains—

If preferred to mashes these Chick grains may be used for feeding the first eight weeks.

Conkey's Chick Grains

Globe Chick Feed

Both high-grade mixtures of sweet and clean grain.

GROWING FEEDS

Mashes—

Conkey's Buttermilk Growing Mash

Globe Growing Mash

Both Buttermilk Feeds.

Grains—

Conkey's Growing Grains

Globe Developing Feed

Both high-grade standard mixtures at prices that are in line with quality.

GRANULATED DRIED BUTTERMILK

Not only sell dried buttermilk in any quantity desired but can mix to order any feed with or without buttermilk. SUBMIT FORMULA AND ASK FOR PRICE ON FEED IN ANY AMOUNT PACKED AS DESIRED.

REPEATER EGG MASH

AN HONEST, UNIFORM AND RELIABLE FEED PRODUCED ACCORDING TO A SCIENTIFIC FORMULA. Before manufacturing this feed in quantities it was tried thoroughly in an experimental way. Its success as an egg-producer was so complete that each season brings a gratifying increase in demand.

In tests it will stand up with any of the standard laying mashes. At the same time, by elimination of a heavy advertising overhead, Repeater Egg Mash goes on the market at a price that represents a material saving to the feeder.

All we ask is a trial on this feed; the results will bring the next order.

GECCO EGG MASH—A standard ground grain mixture with 15% Meat Scraps and Oil Cake.

GLOBE LAYING MASH—Another high-grade feed in same class as others preceding.

GLOBE EGG BALANCER—Contains no corn. Supplements farm grain feeds.

Any one of these mixtures is recommended for egg production. Samples and delivered prices on request.

SCRATCHES

SPECIAL SCRATCH—Manufactured by an approved formula. Contains Cracked Corn, Wheat, Barley, Kaffir Corn, Buckwheat, Oats and Sunflower in correct proportions. Considering quality, the cheapest Scratch on the market. Sample mailed on request.

Globe Scratch

Conkey's Scratch Grains

Two excellent mixtures of national reputation.

POULTRY GRAIN AND SEEDS

CHICKEN MILLET—2 lbs., 20c; 5 lbs., 35c; 25 lbs., \$1.00; 100 lbs., \$3.50.

SUNFLOWER SEED—Per lb., 15c; 2 lbs., 25c; 5 lbs., 50c; 50 lbs., \$3.50; 100 lbs., \$6.00.

KAFFIR CORN—2 lbs., 15c; 9 lbs., 50c; 100-lb. bag, \$2.25.

FIELD PEAS for Pigeons—5 lbs., 50c; 100-lb. bag, \$6.50.

BUCKWHEAT—6 lbs., 35c; 50 lbs., \$2.25; 100 lbs., \$4.25.

MISCELLANEOUS

CRACKED CORN—Clean, sweet grain reduced to any fineness desired. Yellow or White.

OATS—Prepared. Either Rolled or Steel Cut. 4 lbs., 25c; 8 lbs., 50c; 100-lb. bag, \$2.75.

CRUSHED OYSTER SHELLS—Poultry or chick size. 5 lbs., 10c; 50 lbs., 75c; 100-lbs., \$1.25.

PIGEON FEED—5 lb., 30c; 10 lbs., 50c; 50 lbs., \$1.75; 100 lbs., \$3.00.

PEARL GRIT—Three sizes. 10 lbs., 15c; 50 lbs., 50c; 100 lbs., 90c.

CHARCOAL—Coarse, Medium or Fine. 3 lbs., 15c; 5 lbs., 25c; 50-lb. bag, \$1.50; 5 bags, \$7.00.

GRANULATED BONE—5 lbs., 30c; 9 lbs., 50c; 25 lbs., \$1.00; 100 lbs., \$2.75.

MEAT SCRAPS (Swift's)—5 lbs., 25c; 10 lbs., 40c; 50 lbs., \$1.50; 100-lb. bag, \$2.50.

2

Conkey's

THE ORIGINAL

BUTTERMILK STARTING FEED

Raises Husky Chicks



CONKEY fed chicks are lucky fellows. They just naturally outlive and outgrow chicks raised on other feeds. This ready prepared mash contains all the elements needed for safely starting baby chicks, ducklings, goslings, poults, guineas, pheasants and all self-feeding young fowls.

This superior chick mash was the first commercial poultry feed containing buttermilk—that is why we call it the ORIGINAL buttermilk starting feed.

It is a scientifically-balanced feed as clean and wholesome as "infant food." Selected, plump grains, ground to proper fineness, are combined with other ingredients so as to make the feed readily digestible, palatable and nutritious. TASTE it, SMELL it, that's the way to judge a chick feed.

Conkey's carries buttermilk in just the right proportion as an aid in prevention of bowel troubles, White Diarrhea, "leg weakness," etc. The buttermilk is Semi-Liquid buttermilk, blended with the other ingredients by the ORIGINAL process in such a way as to preserve the appetizing, tonic and other properties of the newly-churned product. This avoids the terrible heat usually required in "drying" buttermilk.

Lactic acid in buttermilk is described as an "Intestinal Broom" which sweeps away unfriendly bacteria and disease germs. Buttermilk is also rich in one of the vitamins necessary to growing birds. It is a wonderful appetizer, aid to digestion, and flesh builder.

Poultry raisers declare that their chicks grow twice as fast on Conkey's.

It is not the buttermilk alone that protects the chicks during the critical first 6 weeks. The secret is in the combination of these materials by the Conkey method—the balancing of the ration, as Conkey alone knows how.

Don't be influenced by "cheaper" imitations labeled "buttermilk"—that word may be used to deceive unwary buyers—to cover up a multitude of "sinful" grains, mill sweepings, poisonous weed seeds, musty screenings, worthless by-products, or other poor material having little or no nutritive value.

One woman wrote: "My chicks just love Conkey's. It is so tasty, and my, how they do grow. Better still, we didn't have a single loss in the present hatch, no White Diarrhea or other bowel troubles like before we began using Conkey's."

FEED IT FIRST 6 WEEKS

Conkey's is all the chicks need the first 6 weeks except greens, charcoal, grit, clean water and some fine scratch grains in the litter for exercise. Give grit and water from the start. During the second week add green stuff and in the fourth week finely cracked grains, like Conkey's Chick Grains.

Packed in convenient sizes from 2½ lbs. up. Buy 1½ lbs. for every chick.

Ask or write for prices.



ANALYSIS

Crude Protein, 14%; Crude Fat 3%;
Crude Fibre, 4%; Nitrogen Free Extract,
60%; Carbohydrates, 64%.

Ingredients

Semi-Liquid Buttermilk, Corn Meal, Corn Feed Meal, Oatmeal, Wheat Middlings, Raw Bone, Blood Flour, Meat Meal, Dried Milk Albumen, Salt ½%.

DONT BREAK THE CONKEY CHAIN

Conkey's GECCO

Growing Mash

will make them grow faster,
mature quicker and be ready to
lay earlier than when fed on any
other feed.

You'll never know
unless you try it
and see



Growing birds need "growing feed". In addition to proteins, carbohydrates, etc., they need A, B and D vitamins. Conkeys Gecco Growing Mash with Y-O supplies all these elements—including the all important vitamins. You can secure this mash with Y-O already mixed in at only a few cents more per bag.

GECCO EGG MASH MAKES THEM LAY

An egg mash must do three things: it must make the birds lay; it must supply all elements needed for health and vitality, and it must do these three things at a minimum cost. Conkeys Gecco Egg Mash excels in these three points. Using it has put thousands of flocks on

a more profitable basis. It will
make your flock pay bigger too.
It can be had either with or
without Y-O already mixed in.
Ask your dealer.



Use And Recommend Conkey Feeds

They Will Increase Your Profits

MISCELLANEOUS POULTRY SUPPLIES

B-K DISINFECTANT AND STERILIZER

A powerful non-poisonous germ killer and a solvent of all protein matter. Used extensively about dairies for cleaning cans and utensils and for all diseases of poultry which are acquired through the mouth or throat. Keeps brooders, incubators, coops and the birds themselves sanitary.

IT IS CLEAN AND LEAVES THINGS CLEAN.

4 oz. bottle	\$.30
10 oz. bottle50
32 oz. bottle90
1 gal.	2.00

CARBOLA

The Modern Disinfecting Whitewash

For use in the Poultry House, Stock Barn, House, Garden or Garage.

A 5-pound package mixed with 7 quarts of water makes 2½ gallons of disinfectant white paint—enough to cover from 500 to 700 square feet of surface.

Full directions on each package.

5 lb. carton	\$.75
10 lb. carton	1.25

AVENARIUS CARBOLINEUM—Wood Preserving Paint Stain. Kills Chicken Mites or Fowl Ticks in Poultry Houses. Apply once a year—will do the work. See Guarantee. 1 gal. can, \$1.50; 5 gal., \$6.50.

PRATT'S POULTRY WORM POWDER—50c and \$1.00.

PRATT'S WHITE DIARRHOEA REMEDY—25c, 50c and \$1.00.

PRATT'S ROUP TABLETS—25c and 50c.

PRATT'S GAPE COMPOUND—25c and 50c.

PRATT'S LICE POWDER—15 oz. pkg., 25c; 48 oz. pkg., 50c.

PRATT'S POULTRY REGULATOR—26 oz. pkg., 25c; 4 lb. pkg., 50c; 12 lb. pkg., \$1.40; 25 lb. pail, \$3.00.

PRATT'S ANIMAL REGULATOR—21 oz. pkg., 25c; 48 oz. pkg., 50c; 12 lb. bag, \$1.00; 25 lb. pail, \$3.40.

PRATT'S HOG TONIC—Packages, 50c and \$1.00; 25-lb. bags, \$2.25; 100 lbs., \$8.00.

PRATT'S DIP AND DISINFECTANT—1 qt., 55c; ½ gal., 95c; 1 gal., \$1.60.

CONKEY'S DIATEX—White Diarrhea. Packages 25c, 50c and \$1.00. Special 950 tablets at \$3.75.

CONKEY'S LICE POWDER—15 oz. box, 35c; 48 oz. box, 75c.

CONKEY'S POULTRY TONIC—1½ lb. box, 25c; ¾ lbs., 50c; 7 lbs., \$1.00; 12 lb. pail, \$1.60; 25 lbs., \$3.00.

MERCK'S IODINE VERMIFUGE—For Worming Poultry. One-half pound bottle \$4.50; with doser \$4.85.

POULTRY LITTER

Lightens Labor

Saves Expense

An absorbent, keeping floors of coop and house sweet and pure. It does not provide lodgement for vermin and keeps fowls clean preventing droppings from clinging to them. By spreading two to three inches thick it provides a covering so springy that birds do not injure themselves when alighting on it. As it lasts two or three times as long as any other litter it saves not only money but time, making unnecessary much unpleasant labor about the poultry yards. There are no unpleasant odors where it is used and saves much of the cost of disinfectants. Used by all leading poultry raisers. One bale will cover about 120 square feet, 2 inches deep or 80 square feet, 3 inches deep. Cost, \$3.25 per bale. Reduced prices on larger quantities.

ALL METAL NESTS

Get rid of lice and mite infested wooden nests. No more dirty nests and no more dirty eggs. Concave bottoms incline tops, with or without traps. In groups of 6, 10 or 15 nests.

Ask for prices and quantity discounts.

GLASS CLOTH—Lets Violet Rays through. Much cheaper and stronger than glass. Comes in rolls 36 in. wide. Sells at 7c per sq. foot or 50c per sq. yard.

CEL-O-GLASS—Unbreakable, weatherproof and very flexible. Used to advantage in Brooder Houses, Hot Beds, Green Houses, Sky-lights or Sleeping Porches. \$1.50 per sq. yard. Special prices by the roll.

POULTRY LEG BANDS

CELLULOID SPIRALETS—Three sizes of American, Asiatic and Mediterranean Breeds. 10 colors—black, white, pink, red, dark blue, garnet, green, yellow and purple. 15c per dozen; 30c for 25; 50c for 50; 75c for 100.

PIGEON AND BABY CHICK SIZES—Same price.

BANDETTES—Broad, brightly colored celluloid leg bands with large visible numbers. Five colors—red, yellow, pink, blue and green.

Bandettes are sold only in sets of 25 in one color. Numbered 1 to 25, 26 to 50, 51 to 75, 76 to 100.

Prices 25 for 60c; 50 for \$1.10; 100 for \$2.00.

SELF LOCKING METAL LEG BANDS

Set Numbered 1 to 12.....15c

Set Numbered 1 to 25.....25c

Set Numbered 1 to 100.....75c

POULTRY PUNCHES—Small but practical. Can be used for baby chicks. 25c each.

IDEAL POULTRY PUNCH—Scissor type. Works easily and clean. 50c each.

NOPCO COD LIVER OIL LIQUID SUNSHINE

Triple bulk tested Oil for Poultry and Live Stock. Mixing directions on every package.

1 qt. can, 50c; ½ gal., 90c; gal., \$1.50; 5 gal., \$6.50; 30 gal. drum, \$35.00.

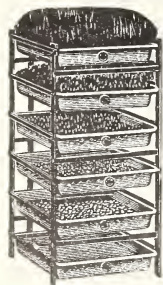
CONKEY'S Y-O

YEAST WITH COD LIVER OIL

A special process combination of Yeast and Cod Liver Oil combining the health giving and invigorating properties of both. Mix with Mash 1% to 2% depending on stage of growth.

Full directions on Each Box.

Prices: 1 lb. box, 50c; 2 lb. box, 90c; 5 lb. can, \$1.60; 25 lb. can, \$6.50; 50 lb. can, \$11.50.

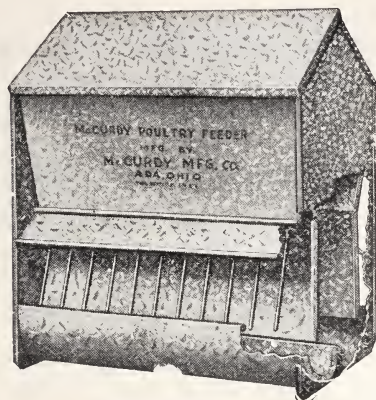


MOE'S OAT SPROUTER

All metal. Six heavy galvanized iron pans. Sectional frame can be quickly taken apart and stored in small space. Size of pans 16 x 18 inches. Height of frame three feet.

Price \$5.00.

POULTRY FOUNTAINS AND FEEDERS



10-A McCURDY OUT DOOR FEEDER

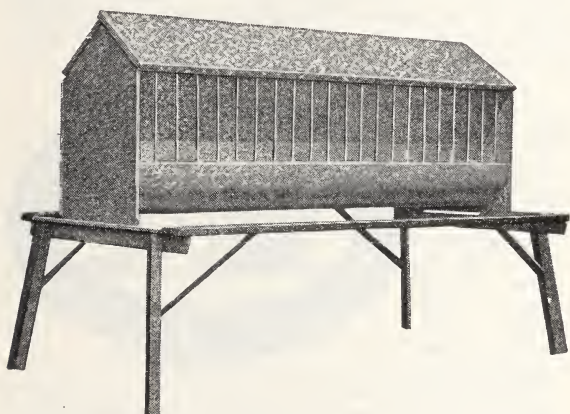
This Feeder is built in 2½ and 4-bushel sizes.

2½ bushel Feeder is 15 inches wide, 26 inches high, 25 inches long, giving 50 inches feeding space.

Built of 24 and 28 gauge galvanized steel. Price \$5.00.

12-A 4 BUSHEL FEEDER is 19 inches wide, 29 inches high, 25 inches long, giving 50 inches feeding space.

Built of 24 and 28 gauge galvanized steel. Price \$6.00.



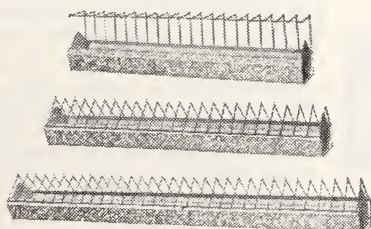
18-B 3 BUSHEL FEEDER is 15 inches wide, 19 inches high, 46 inches long, feeds from both sides giving 92 inches feeding space.

Built of 24 and 28 gauge galvanized steel.

PRICE WITH STAND COMPLETE AS ILLUSTRATED ABOVE, \$9.00.

FEEDER ONLY \$7.50

BROILER FEEDER



No.	Length	Spaces	Packed	Price
130-E	30 in.	40	2 in carton	\$1.00
136-E	36 in.	48	2 in carton	1.20
148-E	48 in.	64	2 in carton	1.45

MOE'S GRIT AND SHELL BOXES—Grit, shell and charcoal can not be more economically supplied than in one of these inexpensive compartment boxes. Can also be used as a feed hopper for little chicks. Made of heavy galvanized iron in three sizes.

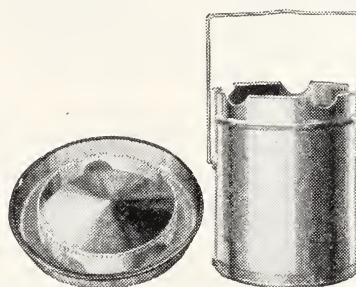
No. 45—Two compartments. For baby chicks. Capacity about ⅛ bu., 40c.

No. 9—Three compartments. For grown fowls, 75c.

No. 90—Four compartments. For grown fowls, \$1.00.



McCURDY 6-QUART CHICK FOUNTAIN



This fountain is built in two parts. Detach bucket pulling upwards, fill with water, insert pan in top of bucket, invert and the fountain is ready for use. Absolutely sanitary and the handiest fountain on the market.

Price 90c.

McCURDY 6-QUART MILK FOUNTAIN

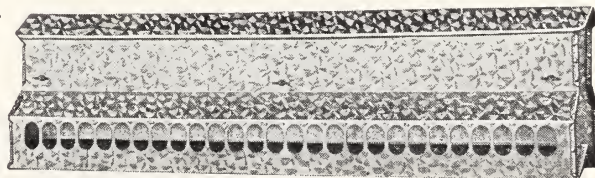
A successful Metal Milk Fountain, constructed of Charcoal Tin, the same metal used in the construction of cream cans.

Milk fed in this fountain will not injure baby chicks. It has five openings. ¾ x 7½ inches. Bucket and pan are separate and as easily cleaned as an ordinary bucket. Price \$1.25.



36-G McCURDY MILK TROUGH is constructed of the same material as the fountain. It has adjustment rod, adjustable to the size of the growing chicks. For milk, water or mash. Price 40c.

McCURDY STRAIGHT SIDE CHICK FEEDER



Number	Capacity	Holes	Price
424-C	13 lbs.	34	\$1.65
436-C	19 lbs.	54	2.30
448-C	25 lbs.	72	3.00

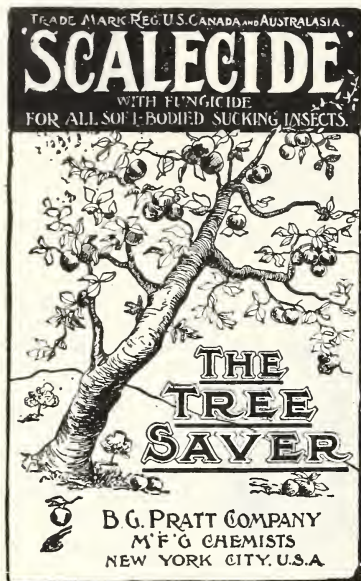
MOE'S ROUND BABY CHICK FEEDER—Practical, well-made feeding device that will last for years. Made in two sizes:

No. 11—Diameter, 6 in., 8 feeding holes.....10c

No. 12—Diameter, 8¼ in., 12 feeding holes.....20c

INSECTICIDES AND FUNGICIDES

Insecticides and Fungicides cannot well be sent by mail. Only net prices are quoted, purchaser to pay express or freight charges. Write us for prices on larger quantities than quoted. Ask for any information relative to these goods.



SCALECIDE IS TRULY THE COMPLETE DORMANT SPRAY. It does a thorough job by creeping under the protective scales and into cracks and crevices of the rough bark. Applied in the fall it controls scale of all kinds, bud-moth, pear psylla, peach leaf-curl, and fungous cankers. The delayed dormant spray with Scalecide controls scale, aphids, pear thrips, leaf miner, case bearer, leaf roller, European red mite, bud-moth, and fungous cankers. And in addition year after year use of Scalecide invigorates the trees.

Scalecide is pleasant to use, it does not injure even the eyes. It is non-poisonous. It saves the cost of nicotine; saves the cost of spreader; will not freeze in the coldest weather and saves three-fourths of the freight and haulage. A fifteen gallon drum of Scalecide covers the same trees as a fifty gallon barrel of Lime-Sulphur. Mixes with cold water and stays mixed. One part Scalecide to 15 to 20 parts water.

Prices: One qt. can, 70c; 1 gal., can \$1.60; 5 gal. can, \$6.00; 10 gal. can, \$10.00; 15 gal. Drum, \$13.50; 30 gal. Barrel, \$22.50; 50 gal. Barrel, \$28.00.

SULFOCIDE

Sulfocide is a highly concentrated non-poisonous liquid sulfur fungicide—entirely distinct from lime-sulphur. Within a few minutes after the spray is applied and before it is dry, Sulfocide is decomposed by the action of the air leaving a film of extremely fine sulphur in its most active fungicidal form.

Briefly these are the reasons why Sulfocide is a better summer spray; it does not russet apples (bordeaux does); it does not devitalize foliage and dwarf the fruit (lime-sulfur does); it can be used on both peaches and apples and on all kinds of fruits and vegetables (no other fungicide can). It imparts to fruit a beautiful luster and finish. It costs no more than home-made bordeaux. Mix 1 gal. Sulfocide to 200 gal. water. Prices: 1 pint can, 70c; 1 qt. can, \$1.00; 1 gal. can, \$2.75; 5 gal. can, \$8.75.

PYROX

A combination of Arsenate of Lead and Bordeaux Mixture that is particularly adapted for fruits, but is equally as good for spraying shrubs, flowers and vegetables. Does not wash off. A dense, heavy paste, ten pounds of which makes sixty gallons of spray. Full directions on each package. 1 lb. can, 50c; 5 lb. can, \$1.75; 10 lb. can, \$3.00; 25 lb. keg, \$6.25; 100 lb. keg, special price on application.

KEROSENE EMULSION—For use against sucking insects either on plants or animals. Apply by adding water in proportion 25 to 50 parts water to 1 of Emulsion. Very effective in destroying cabbage worms, cut worms and lice on plants. Standard remedy for some forms of tree scale. ¼ gal., 45c; gal., \$1.50.

WHITE HELLEBORE—Not so poisonous as Paris Green. Can be dusted or sprayed in solution with water. ½ lb., 30c; lb., 50c.

TREE TANGLEFOOT—For Climbing Insects, such as Gypsy, Brown Tail and Tussock Moth, Canker Worm, Cut Worm and Ants. Put band completely around tree. Complete directions with each package. 50c per lb., 3 lbs., \$1.45.

NICOTINE SULPHATE (Black Leaf 40)—Destroys plant lice of all kinds. Use in house, greenhouse or conservatory. 1 ounce makes 8 gallons spray, enough for ordinary home and lawn purposes and sells for 35c. 5 oz. bottle, \$1.00; 1 lb. bottle, \$2.25; 2 lb. tin, \$3.35; 5 lb. tin, \$6.25; 10 lb. tin, \$10.75.

PARA-DICHLOROBENZINE—Used for killing peach tree borer. Use in September and October for best results. Directions on package. 1 lb., 50c; 5 lbs., \$2.25; 10 lbs., \$4.00.

ACME FLY SPRAY—New improved. Ready for use, affording quick relief. In use in many leading stables and dairies. ½ gal., 65c; 1 gal., \$1.00.

SLUG SHOT —

Well-known preparation in use for thirty years, and is a standard insecticide. Can be used on all sorts of vegetation whenever insect pests appear, but is

especially recommended to destroy potato bugs, cabbage worms and the striped bugs on melons, squashes and cucumbers. 1 lb. carton, 15c; 5 lb. pkg., 45c; 20 lbs. or over, 8c per lb.



EVERGREEN—Non-poisonous insecticide, is harmless to man, live-stock, birds and pets and will not injure tender plants. Kills aphids, leaf hoppers, rose slugs, red spiders, cut-worms, mealy bugs, leaf tiers, cucumber beetle, rose chafer, and many other insects. Effective against both chewing and sucking insects. 1 oz. bottle, 35c; 6 oz., \$1.00; 16 oz., \$2.00; 32 oz. cans, \$3.50; 1 gal. can, \$13.00.

**VOLCK** The New Scientific Spray for Garden, Orchard and Greenhouse Pests

Volck is one of the most powerful insecticides known. It is a contact spray and wonderfully effective on red spider, mites, aphids, thrips, mealy bugs, scales, white flies, codling moth, caterpillars and leaf rollers. Let us send you a circular giving full information. ½ pt., 50c; pint, 75c; quart, \$1.00; gal., \$3.00.

ATOMIZER—For use with Fly Chaser or for spraying small trees, bushes and flowers. Capacity three pints. All tin, 85c; same with brass tank, \$1.25.

DUSTERS—For applying Slug Shot, Paris Green, etc., on plants and bushes. ½ gal. size, 60c each; 1 gal. size, 80c each.

Prices subject to change.
Write for Quantity Prices.

INSECTICIDES AND FUNGICIDES

Comply with all Federal
and State Regulations



ACME GARDEN GUARD

A garden insecticide and fungicide for use as a dust. No water, no mixing, no muss.

For use on:

Cabbage, cauliflower, tomato plants, melon vines, currants and gooseberries and other vegetables, flowers and shrubs of many kinds.

Prices: 1 lb. sifter carton 20c; 5 lb., 65c; 100 lbs., \$10.00.

ACME PARIS GREEN

A rich emerald color and of fine fluffy physical character. Containing 55% arsenious oxide, will give quickest control where extreme measures are necessary.

For use on:

Potatoes, cotton, tobacco, also to mix with arsenate of lead for fruit tree spraying where quick results are necessary.

Prices: 1/4 lb., 20c; 1 lb., 40c; 5 lbs., \$1.75; 14 lbs., \$4.25.

ACME ARSENATE OF LEAD

The most favored arsenical insecticide found on the American market. It is safest to use on tender foliage and sticks well on the leaves. Recommended for fruit trees, vegetables, bushes and tobacco. Can be used as dust or spray.

Prices: 1/2 lb., 25c; 1 lb., 40c; 4 lbs., \$1.25.

Ask for prices on larger quantities.

ACME LIME SULPHUR

A standard 33 degree Baume lime and sulphur converted into a dry powder but having all the effectiveness of the liquid product when dissolved in water.

For use on:

Dormant spraying against scale, peach blight, leaf curl and twig borer. Summer spraying against scab, soot, blotch, red spider and mite.

Prices: 1 lb., 25c; 5 lb. can, \$1.00; 10 lb. can, \$1.75; 12 1/2 lb. bag, \$1.50; 25 lb. drum, \$3.50; 100 lb. drum, \$11.50; 200 lb. drum put up in 12 1/2 lb. bags, \$21.00.

ACME TWO-WAY SPRAY

A balanced insecticide and fungicide containing a 14% arsenate of lead and 83% Bordeaux Mixture. Two results with one application.

Use wet or dry on:

Apple, sour cherry, currant, and gooseberry, grape, pear, plum, strawberry, pecan, bean, beet, cucumber, pepper, potato, tomato and many other fruits and vegetables.

Prices: 1/2 lb., 25c; 1 lb., 40c; 4 lbs., \$1.40.

ACME SUMSPRAY

A summer oil for control of scale insects, aphids, and red mite on deciduous fruit trees, shrubs and rose bushes.

Prices: 1/2 pt., 50c; pt., 75c; qt., \$1.00; gal., \$3.00.

ACME BEAN BEETLE DUST



A special beetle preparation most effectively used against Mexican bean beetle. Being both stomach and contact poison, it is sure to give quick results.

To be applied only as a dust. For use against:

Mexican bean beetle, potato bug, cucumber beetle and many other less common hard shelled beetles.

Prices: 1 lb., 30c; 4 lbs., 75c.

ACME ALL ROUND SPRAY

Flowers, vines, shrubs, roses, vegetables, need protection same as commercial crops. All Round Spray contains the three leading remedies used by all large growers: Arsenate of Lead, Nicotine Sulphate and Bordeaux Mixture.

Perfect protection for the small user is assured by complete directions in form of spraying guide attached to every package.

Prices: 1/4 lb., 40c each; 1 lb., 95c each.



ACME BAIT-M

An effective insecticide bait which will throw a ring of protection around shrubs, flowers and plants in garden and lawn.

For use against snails, cutworms, sow bugs, grasshoppers and many other insects which migrate along the ground.

Prices: 1 lb., 35c; 3 lbs., 70c; 15 lbs., \$2.70.

ACME LONDON PURPLE

A favored insecticide for 50 years. Now stronger and better than ever. London Purple is one of the lightest and fluffiest powdered insecticides on the market, assuring complete coverage and greatest adhesion to foliage.

For use on potatoes, cotton, tobacco, sugar beets and many other shrubs and vegetables affected by leaf chewing insects.

Prices: 1/4 lb., 15c; 1 lb., 45c; 4 lbs., \$1.40.

ACME BORDEAUX MIXTURE

Prevents large losses caused by blight, rot, mildew, scab, anthracnose and certain other fungous diseases. It stimulates plant growth and greatly increases the harvests. Almost every kind of vegetable, fruit and shrub can be greatly improved by early use of Bordeaux Mixture.

Prices: 1 lb., 35c; 4 lbs., \$1.00.

ACME CALCIUM ARSENATE

The cheapest arsenical insecticide on the market but of great economy and efficiency for certain purposes. The accepted dust for boll weevil poisoning on cotton; also recommended to combat chewing insects on potatoes, vegetables, cotton and certain fruit trees.

Prices: 1 lb., 30c; 4 lbs., 90c.

ACME SPRAY SOAP

A (fish oil) soap effective in destroying many sucking insects and lice on plants, trees, ferns, etc. Also used extensively with cylinder oils making the oil emulsions to reduce the surface tension.

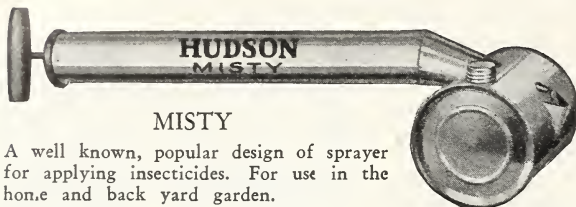
Prices: 1 lb., 35c; 5 lbs., \$1.50.

TAKE THE SPECULATION OUT OF SPRAYING

ACME SPRAYING GUIDE			
Compliments of Acme White Lead and Color Works Detroit, Michigan		WHEN AND WHAT TO SPRAY	Compliments of Acme White Lead and Color Works Detroit, Michigan
CROP	INSECT OR DISEASE	SPRAY MIXTURE	SPRAYING TIME
ALMONDS	Leaf-roller	10% Bordeaux Mixture	10 to 15 days after blossoms fall
	Scale	10% Bordeaux Mixture	10 to 15 days after blossoms fall
	Scale	10% Bordeaux Mixture	10 to 15 days after blossoms fall
	Scale	10% Bordeaux Mixture	10 to 15 days after blossoms fall
APPLES	Scale	10% Bordeaux Mixture	10 to 15 days after blossoms fall
	Scale	10% Bordeaux Mixture	10 to 15 days after blossoms fall
	Scale	10% Bordeaux Mixture	10 to 15 days after blossoms fall
	Scale	10% Bordeaux Mixture	10 to 15 days after blossoms fall

WRITE FOR THIS FINE GUIDE FREE

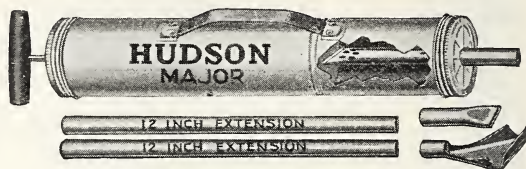
HUDSON SPRAYERS



MISTY

A well known, popular design of sprayer for applying insecticides. For use in the home and back yard garden.

No. 452 45c



MAJOR DUSTER

For all powdered insecticides. Has upshoot nozzles and extra extensions. A very practical dust gun.

No. 665 \$1.15



PERFECTION

A high pressure compressed air sprayer for the fruit grower and gardener. Made in brass or galvanized. All seams riveted and soldered. Capacity 4 gallons. Top and handle are malleable. Pump of seamless brass tube. Equipped with 27 inch hose and 18 inch brass extension rod.

No. 110G \$ 6.75

No. 110B 10.50

ECONOMY

A moderately priced, high quality sprayer. Holds 4 gallons. Side seam riveted. All seams specially made and heavily soldered. Equipped with special spray hose and 18 inch brass extension rod. Pump of seamless brass tube.

No. 125 \$5.00



SPRAYER ACCESSORIES

Straight and Elbow Nozzles, Bamboo and Metal Extension Rods, Strainers, Stop Cocks, Funnels, Hose, Hose Couplings and Pole Holders.

We carry in stock Peerless Dust Guns and a complete line of all sizes Feeney Dusters. Ask for description and prices.

BARREL OUTFIT

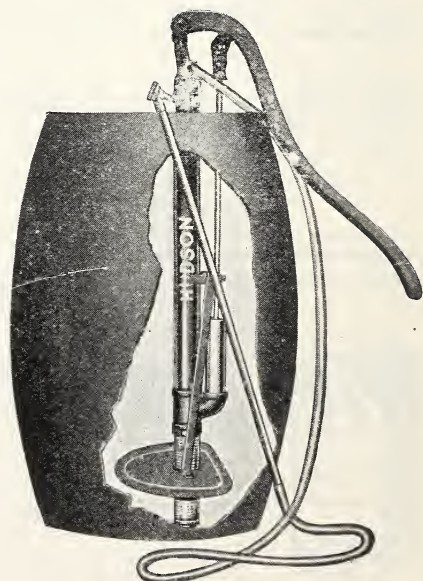
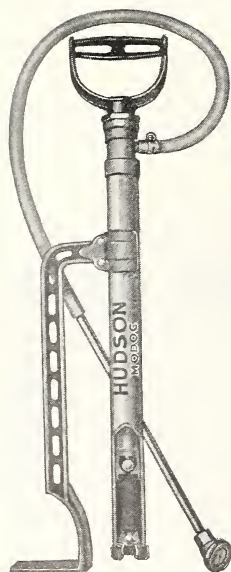
Develops 200 pounds working pressure, easily maintained. Has the special non-clogging strainer and dasher agitator which cleans strainer at each stroke of pump. Equipped with 6 ft. of hose, 4 ft. iron extension and Ideal angle nozzle.

No. 4B \$30.85

MODOC BUCKET PUMP

An all brass pump with bronze valve parts. Develops high pressure. Continuous in operation. Equipped with 5 ply spray hose and iron extension. Has adjustable malleable foot rest.

No. 122 MODOC \$4.00



PLANT FOODS

VIGORO

Complete plant food

A product of SWIFT & COMPANY

FOR GARDENING SUCCESS

The best seeds and plants will not produce good results if grown in an impoverished soil. Be sure your plants get all the nourishment they need for full growth and greater beauty. Feed them with Vigoro, the complete, scientifically balanced plant food.

Vigoro produces thick, velvety-green lawns with deep extensive roots; helps choke out weeds; and increases humus in the soil. It makes flowers larger and more beautiful; produces early delicious vegetables, luxuriant shrubbery, and healthy, full-foliaged trees.

Vigoro is clean, odorless, and easy to use. It's economical, too. Costs only 10c to 20c for every 100 square feet.

Order enough Vigoro for everything you grow.



Well put up in paper lined cotton bags—convenient 100, 50 and 25 lb., sizes for economical application. Also tins of 5 lbs., each.

PRICES

100 lb. bag	\$5.00
50 lb. bag	3.00
25 lb. bag	1.75
5 lb. carton50
12 oz. carton10

Full directions for applying Vigoro in "The Home Beautiful" booklet in every bag.

LAWN LIME

Lime is often necessary to remove acidity of the soil. Nothing else is so effectual in renovating old lawns and gardens. In some instances it is useless to attempt to secure a stand of grass without first applying lime. Apply at the rate of 25 lbs., per 100 square feet, or half ton per acre.

Prices: 80 lb. sack, 75c; 3 sacks, \$2.00. Apply for prices on larger quantities.

BACTERIAIZED HUMUS

Humus in some form is essential to plant life. This article has been used for many years and is especially desirable for flower gardens, lawns and vegetable gardens.

Prices: 5 lbs., 15c; 25 lbs., 60c; 50 lbs., \$1.00; 100 lbs., \$1.65.

"PECO" PEAT MOSS

FINE GRANULATED FOR ALL HORTICULTURAL USES.

\$3.00 per bale of 12½ cu. ft.

\$1.10 per small bale—13x11x9 in.

PURE BONE MEAL

Pulverized ground bone is quickly effective, as it rapidly becomes available plant food. Has a wide range of use on lawns and in flower culture. Apply 200 to 500 pounds per acre.

Prices: 1 lb., 10c; 5 lbs., 25c; 10 lbs., 40c; 25 lbs., 75c; 50 lbs., \$1.25; 125-lb. bag, \$2.75.



ATLACIDE (Calcium Chlorate) Weed killer. Kills Thistle, Quack Grass, Poison Ivy, Wild Morning Glory, Bindweed, Wild Poppies and other forms of vegetation. Dust away your weeds. 3½ lb. Can, \$1.00; 50 lb. Drum, \$7.00.

PULVERIZED SHEEP MANURE

A pure, natural manure for use on lawns, flower beds and vegetable gardens. It is a highly nutritious plant food, containing all the elements for promoting rapid and vigorous growth. As a fertilizer it is immediately available, thus giving quick results. It is not offensive in order and contains no weed seeds. Usually used dry, yet it may be dissolved to make a liquid manure. When used dry it requires no raking and does not produce an unsightly appearance.

DIRECTIONS

FOR LAWN—Use four to five hundred pounds per acre, applying broadcast early in the spring or late in fall.

FOR FLOWER BEDS—Mix thoroughly with surface soil, applying at intervals during the season.

FOR POT PLANTS—Mix one part of Sheep Manure to six or seven of soil.

FOR VEGETABLE GARDEN—Sow broadcast or in the drill, mixing slightly with the soil. Repeated applications through the season will hasten growth and promote maturity. Many home gardens are losing fertility and are showing diminishing returns each year. Sheep manure will restore this fertility and in many home gardens not more than 100 lbs. will be required.

Prices: 5 lbs., 25c; 15 lbs., 55c; 25 lbs., 90c; 50 lbs., \$1.50; 100 lbs., \$2.50.

NITRATE OF SODA

Prices: 1 lb., 10c; 2 lbs., 15c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00.

MURIATE OF POTASH

Prices: 1 lb., 10c; 2 lbs., 15c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00.

CYCLONE SEED SOWER



A handy and Satisfactory Seeder. It is well built from good material and operates with a crank. A sloping feed board keeps the hopper filled without tilting the machine. An automatic Feed Adjustment gives positive Force Feed throughout. Guaranteed absolutely to handle all kinds of heavy grain and grass seeds.

Price \$2.00 Hamilton. If ordered by mail, add postage for 4 pounds.

THE "HORN" SEED SOWER

A cheap, practical Seeder, sowing Clover, Timothy, and all smooth seeds evenly. Will broadcast seed 30 feet and is adjustable to sow any amount. Easily operated. Fully guaranteed. Price, postpaid, only \$1.00.

INOCULATION

FOR ALL LEGUME CROPS

The legume crops, such as alfalfa, the clovers, soy beans, vetches, peas, etc., are known as soil builders because certain soil bacteria make nodules on their roots in which nitrogen is gathered from the air and stored. If these special bacteria are not present, the crop robs the soil instead of building it up. The only way to make sure that there is a sufficient supply of nodule bacteria in the soil is to inoculate the seed before sowing with a culture of the right kind of bacteria. Inoculation produces the following results.

1 Insures Better Stands. The legume crops require plenty of nitrogen in their early growth. Inoculation makes an ample supply available.

2 Insures Bigger Crops. Inoculation by increasing available plant food promotes the most vigorous growth and produces bigger crops.

Nod-O-Gen Bottle-Type Inoculation

is a scientific pure culture of root nodule bacteria, prepared on special food jelly in bottles with patent stoppers which permit the bacteria to live and breathe and maintain their vigor. Nod-O-Gen has been recognized for years as one of the most carefully and scientifically prepared cultures on the market.

Nod-O-Gen is easy to use, requiring no equipment or experience. Takes only a few minutes. Complete directions on every bottle. The cost per acre is very small. Results are sure. Always specify name of crop as well as size of culture wanted.

PRICES:

3 Increases Value of Crop for Feeding. By feeding nitrogen to plants, their protein content, and hence their feed value, is greatly increased.

4 Adds Fertility to Soil. Inoculation provides nitrogen for the crop and, when it is turned under, adds to the soil an average of 100 lbs. per acre.

Dickinson's Humus Inoculation

With this you can inoculate your seed without use of water and still be sure of a growth of root-nodules as vigorous as was formerly possible only by use of bottle cultures.

Perfected after careful experiment in country's largest commercial soil bacteriological laboratory. Vigorous bacteria living in a specially blended humus substance which can be mixed with the seed dry, just as it comes from the can. Full directions on label. Easy to use and only a few minutes required to inoculate seed which can then be sown immediately.

PRICES:



SEED DISINFECTANTS

Control Seed-borne Diseases of Farm Crops

Stimulate Germination Improve Stands

SEMESAN BEL

for seed white and sweet potatoes



Simply mix, dip, drain, dry and your seed potatoes are ready for planting. Semesan Bel may be used on either whole or cut seeds pieces. Semesan Bel effectively controls such seed-borne disease organisms as scab, rhizoctonia and black-leg. By controlling these diseases, germination is generally increased, stand improved and the resultant crop bigger and of better quality. One pound treats 16 to 20 bushels of seed. Du

Bay Semesan succeeds the products sold as Du Pont Semesan Bel and Bayer Dippust.

SEMESAN JR.

for seed field and sweet corn



Semesan Jr. is especially effective in controlling seed-borne infections of diplodia, Gibberella and Basiporiium, without harming the seed embryo in the least. Its use protects the seeds from rotting in the ground and makes possible earlier planting which generally results in increased yields. Improved germination, better stands, control of certain diseases, increased yields are the benefits which thousands of farmers are reaping, at a cost of less than 3c. an acre. Succeeds the products sold as Du Pont Semesan Jr. and Bayer Dust.

PRICES: 4 oz., 50c; 1 lb., \$1.75; 5 lbs., \$8.00; 25 lbs., \$31.25

Du Bay Seed Disinfectants, like many agricultural chemicals, are poisonous in nature and owing to present Postal Regulations cannot be sent through the mails, but must be sent by express or freight.

Treat All Seeds Before Planting with Du Bay Disinfectants

Inquire for SEMESAN for treating FLOWERS and VEGETABLES; also CERESAN for treating SMALL GRAINS.